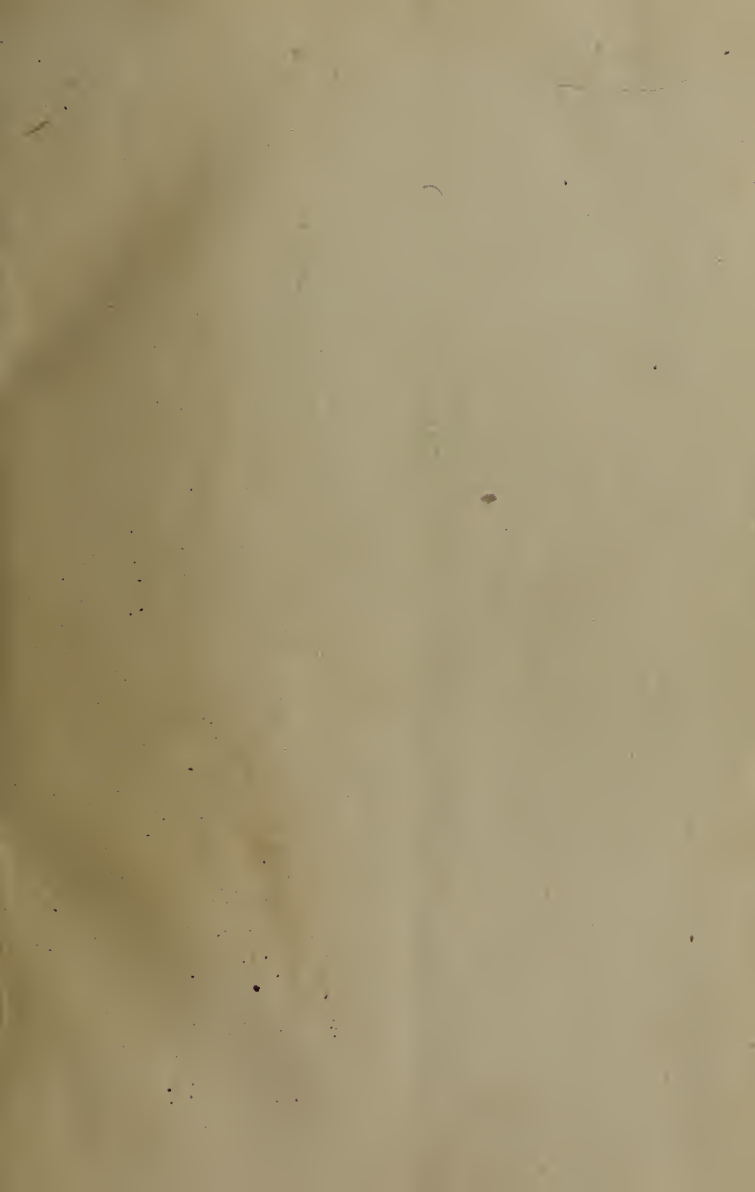




Queen's University  
Library

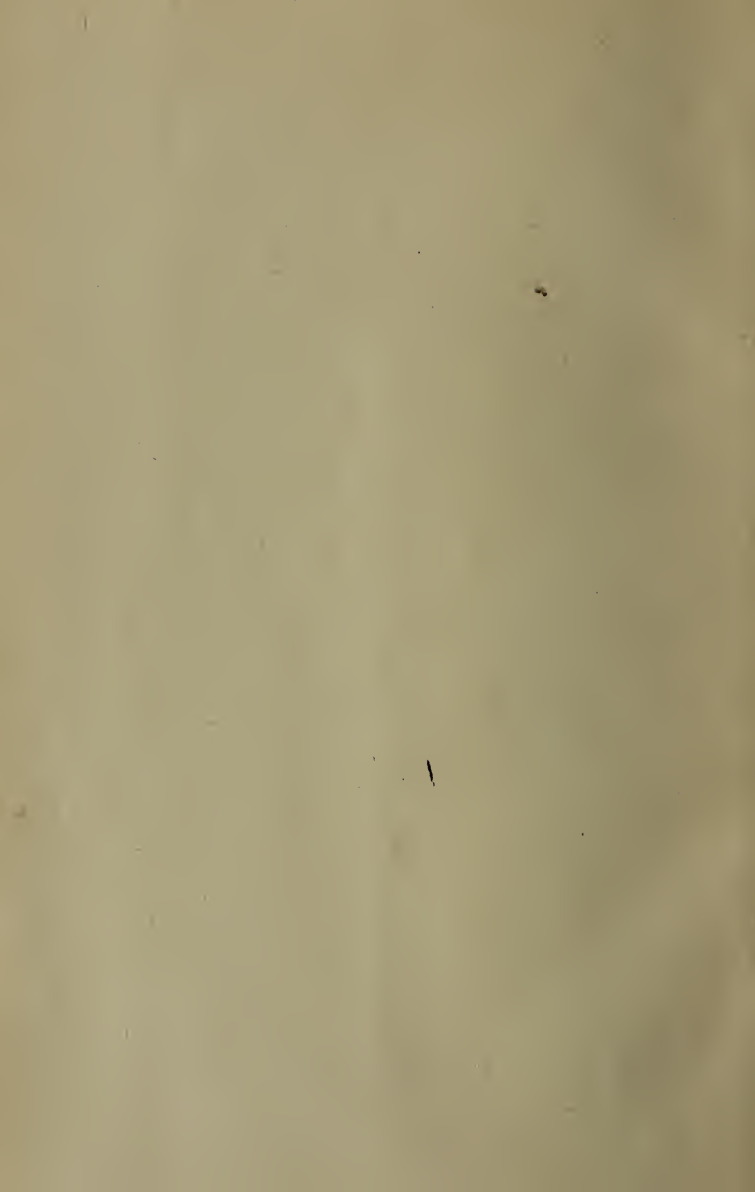
KINGSTON, ONTARIO











2558

---

*Pass Papers,*

ARTS.

---

1888.

LE 3. Q 3 A1

1888/89

99147

## Junior Latin.

---

### FIRST PAPER.

---

#### I.

#### Translate :

Postremo Hannibal castris ante ipsa moenia oppositis parvam urbem parvumque praesidium summa vi atque omnibus copiis oppugnare parat, ac, dum instat lacessitque, corona undique circumdatis moenibus, aliquot milites et promptissimum quemque e muro turribusque ictos amisit. semel ultro erumpentis agmine elephantorum opposito prope interclusit, trepidosque compulit in urbem satis multis ut ex tanta paucitate interfectis. plures cecidissent, ni nox proelio intervenisset. postero die omnium animi ad oppugnandum accenduntur, utique postquam corona aurea muralis propositast, atque ipse dux castelli plano loco positi segnem oppugnationem Sagunti expugnatoribus exprobrabat, Cannarum Trasumennique et Trebiae singulos admonens universosque.

Livy, B. XXIII.

1. Parse *oppositis, lacessit, circumdatis, ictos, erumpentis, compulit, cecidissent, propositast, admonens.*

2. State the syntax of *oppositis, corona, cecidissent, die, Sagunti, Cannarum.*

3. State when the battles mentioned in the extract were fought.

#### II.

#### Translate :

Quibus diebus Cumae liberatae sunt obsidione, isdem diebus et in Lucanis ad Grumentum Ti. Sempronius, cui Longo cognomen erat, cum Hannone Poeno prospere pugnat. supra duo milia hominum occidit, et ducentos octoginta milites amisit ; signa militaria ad quadraginta unum cepit. pulsus finibus Lucanis Hanno retro in Bruttios sese recepit. et ex Hirpinis oppida tria, quae a populo Romano defecerant, vi recepta per M. Valerium praetorem, et auctores defectionis securi percussi. supra quinque milia captivorum sub hasta venierunt ; praeda alia militi concessa, exercitusque Luceriam reductus.

Ibid.

1. Parse *occidit, amisit, pulsus, recepit, defecerant, percussi, venierunt*.

2. State the syntax of *diebus, Longo, hominum, securi, Luceriam*.

3. Write notes on *in Lucanis* and *supra quinque millia*.

### III.

Translate :

Coelo supinas si tuleris manus  
Nascente Luna, rustica Phidyle,  
Si thure placaris et horna  
Fruge Lares, avidaque porca :

Nec pestilentem sentiet Africum  
Fecunda vitis, nec sterilem seges  
Robiginem, aut dulces alumni  
Pomifero grave tempus anno.

Nam, quae nivali pascitur Algido  
Devota quercus inter et ilices,  
Aut crescit Albanis in herbis,  
Victima, pontificum securim

Cervice tinguet. Te nihil attinet  
Tentare multa caede bidentium  
Parvos coronantem marino  
Rore deos fragilique myrto.

Immunis aram si tetigit manus,  
Non sumtuosa blandior hostia  
Mollivit aversos Penates  
Farre pio et saliente mica.

Horace, Odes, B. III.

1. Parse *tuleris, nascente, pascitur, crescit, tinguet, tetigit, saliente*.

2. State the syntax of *Luna, porca, anno, te, farre*.

3. Write notes on *supinas, Africum, Algido, bidentium, mica*.

4. Describe the metre, and scan the first stanza.







## Junior Latin.

### SECOND PAPER.

#### I.

1. Give the principal parts of *cado*, *caedo*, *vinco*, *vivo*, *orior*.

2. Parse *vinciet*, *pendeat*, *nollet*, *utere*, *euntis*.

3. What verbs take after them the acc. and inf. for the English noun-clause with *that*? Illustrate.

4. What verbs take *ut* with *subjunctive* for the English infinitive? Illustrate.

5. State the rule for the negative imperative.

Translate : *Don't hesitate*.

6. State the more common independent uses of the subjunctive.

Translate : (a) *I could wish you were here*.

(b) *What am I to do?*

(c) *May God prosper it!*

7. What is the syntax of the *dependent question*?

Translate : *I wondered whether he liked it or not.*  
*Whether he liked it or not, I went away.*

8. Translate : *You might have done it*.

9. Give a list of Latin verbs that govern two accusatives, with the meaning of each.

Translate : *He asked me my opinion first*.

#### II.

Translate into Latin :

(a) I did not know when they intended to come to our assistance.

- (b) Ask him whose interest he is consulting, his own or his country's.
- (c) He promised to leave nothing undone to persuade your son to leave that city.
- (d) I was afraid that the man we met would be killed.
- (e) Reflect on the greatness of your debt to your ancestors ; remember the position you occupy.

### III.

Translate at sight :

Sub idem fere tempus et ab Attalo rege et Rhodiis legati venerunt, nuntiantes Asiae quoque civitates sollicitari, his legationibus responsum est curae eam rem senatui fore. Consultatio de Macedonico bello integra ad consules, qui tunc in provinciis erant, reiecta est. Interim ad Ptolemaeum Aegypti regem legati tres missi, ut nuntiarent victum Hannibalem Poenosque, et gratias agerent regi, quod in rebus dubiis, cum finitimi etiam socii Romanos desererent, in fide mansisset ; et peterent, ut, si coacti iniuriis bellum adversus Philippum suscepissent, pristinum animum erga populum Romanum conservaret.

Livy, B. XXXI.





## Junior Greek.

### FIRST PAPER.

#### I.

Translate :

Καὶ ἔτι πρὸς τούτῳ πρῶτον μὲν, ὦ ἄνδρες Ἀθηναῖοι, τὸν μέγιστον τῶν ἐκείνου πόρων ἀφαιρήσεσθε. ἔστι δ' οὗτος τίς; ἀπὸ τῶν ὑμετέρων ὑμῖν πολεμεῖ συμμάχων, ἄγων καὶ φέρων τοὺς πλείοντας τὴν θάλατταν. ἔπειτα τί πρὸς τούτῳ; τοῦ πάσχειν αὐτοὶ κακῶς ἔξω γενήσεσθε, οὐχ ὥσπερ τὸν παρελθόντα χρόνον εἰς Ἀῆμνον καὶ Ἰμβρον ἐμβالὼν αἰχμαλώτους πολίτας ὑμετέρους ᾤχετ' ἔχων, πρὸς τῷ Γεραιστῷ τὰ πλοῖα συλλαβὼν ἀμύθητα χρήματ' ἐξέλεξε, τὰ τελευταῖα εἰς Μαραθῶνα ἀπέβη καὶ τὴν ἱερὰν ἀπὸ τῆς χώρας ᾤχετ' ἔχων τριήρη, ὑμεῖς δ' οὔτε ταῦτα ἠδύνασθε κωλύειν οὔτ' εἰς τοὺς χρόνους οὓς ἂν προθῆσθε βοηθεῖν.

Demosthenes, Phil. I.

1. Parse ἀφαιρήσεσθε, ἄγων, πλείοντας, πάσχειν, γενήσεσθε, παρελθόντα, ἐμβalὼν, ᾤχετ', ἐξέλεξε, ἀπέβη, προθῆσθε.

2. State the syntax of ἐκείνου, πόρων, θάλατταν, τοῦ πάσχειν, χρόνον, τριήρη.

3. ἱερὰν τριήρη. Explain the nature of this vessel.

#### II.

Translate :

Καὶ τὸ πάντων αἰσχιστον, καὶ τοῖς ἐχρόνοις πρὸς τὰς ἐλπίδας τὴν αὐτὴν εἰρήνην εἶναι ταύτην ἐφηφίσασθε· οὕτω τελέως ὑπήχθητε. τί δὴ ταῦτα νῦν λέγω καὶ καλεῖν φημί δεῖν τούτους; ἐγὼ νῆ τοὺς θεοὺς τάλχθῃ μετὰ παῤῥησίας ἐρῶ πρὸς ὑμᾶς καὶ οὐκ ἀποκρύβομαι. ἀλλ' οἴμαί ποθ' ὑμᾶς

λυπήσειν δὲ Φίλιππος πράττει, μᾶλλον ἢ τὰ νυνί· τὸ γὰρ  
 πρῶγμα ὁρῶ προβαῖνον, καὶ οὐχὶ βουλοίμην μὲν ἂν εἰκάξειν  
 ὀρθῶς, φοβοῦμαι δὲ μὴ λίαν ἐγγὺς ἦ τοῦτ' ἤδη. ὅταν οὖν  
 μηκέθ' ὑμῖν ἀμελεῖν ἐξουσία γίγνηται τῶν συμβαινόντων,  
 μηδ' ἀκούηθ' ὅτι ταῦτ' ἐφ' ὑμᾶς ἐστὶν ἐμοῦ μηδὲ τοῦ δεῖνος,  
 ἀλλ' αὐτοὶ πάντες ὁρᾶτε καὶ εὖ εἰδῆτε, ὀργίλους καὶ τραχεῖς  
 ὑμᾶς ἔσεσθαι νομίζω.

Ibid, Phil. II.

1. Parse ὑπήχθητε, ἐρῶ, ἀποκρύφομαι, οἶμαι, προβαῖνον,  
 ἀκούηθ', ὁρᾶτε, εἰδῆτε, νομίζω.

2. αἴσχιστον. Compare this adjective.

3. State the syntax of ἐχρόνοις, ἦ, ἐμοῦ.

### III.

Translate:

‘Κλῦτέ μευ, ἀμφίπολοι λευκώλενοι, ὄφρα τι εἴπω.  
 οὐ πάντων ἀέκητι θεῶν, οἳ ’Ολυμπον ἔχουσι,  
 Φαίχεσθ’ ὅδ’ ἀνὴρ ἐπιμίσγεται ἀντιθέοισι·  
 πρόσθεν μὲν γὰρ δὴ μοι ἀεικέλιος δέατ’ εἶναι,  
 νῦν δὲ θεοῖσιν ἔοικε, τοῖ οὐρανὸν εὐρὺν ἔχουσιν.  
 αἶ γὰρ ἐμοὶ τοιόσδε πόσις κεκλημένος εἴη  
 ἐνθάδε ναιετάων, καὶ οἳ ἄδοι αὐτόθι μίμνειν.  
 ἀλλὰ δότ’, ἀμφίπολοι, ξείνῳ βρῶσίν τε πόσιν τε.’

‘Ὡς ἔφαθ’, αἱ δ’ ἄρα τῆς μάλα μὲν κλῦον ἠδ’ ἐπίθοντο.  
 πὰρ δ’ ἄρ’ ’Οδυσσῆι ἔθεσαν βρῶσίν τε πόσιν τε.  
 ἦ τοι ὁ πῖνε καὶ ἦσθε πολύτλας δῖος ’Οδυσσεὺς  
 ἀρπαλέως· δηρὸν γὰρ ἐδητύος ἦεν ἄπαστος.’

Homer, Odyssey, B. VI.

1. Parse κλῦτε, ἐπιμίσγεται, δέατ’, ἔοικε, κεκλημένος εἴη,  
 ἄδοι, μίμνειν, ἔθεσαν, πῖνε, ἦσθε.

2. Point out Epic forms in this extract, and give the  
 proper Attic forms.

3. Scan the first three lines.







## Junior Greek.

---

### SECOND PAPER.

---

#### I.

1. Give the principal parts of ὁράω, ἔρχομαι, φημί, λαμβάνω, ἀφικνέομαι.

2. Parse ἐλήφθη, ἐλείφθη, ἐβούλετο, ἐβουλεύετο, ἤττω.

3. What is meant by *predicative position*?

Translate : ἱκανὸν παρέχομαι τὸν μάρτυρα.

4. How is the possessive of the third person expressed in Greek? Illustrate.

5. Give examples of the chief uses of αὐτός.

6. State and illustrate the syntax of verbs of *accusing* and *condemning* in Greek.

7. What is the difference between διὰ with the genitive and διὰ with the accusative? Illustrate.

8. Illustrate the rule for expressing *time when*.

#### II.

Translate into Greek :

(a) He thought that flowers bloomed there even in Winter.

(b) Did they not say that they would receive us into their city?

(c) At last they answered that they would deprive you of liberty.

(d) Will he ask these strangers for food, after speaking evil against them?

(e) They have been defeated in all the battles and have retired to Athens.

### III.

Translate at sight :

Λέγεται δὴ Φίλιππος μὲν τελευτῆσαι ἐπὶ ἄρχοντος Πυθο-  
δήμου Ἀθήνησι· παρα-λαβόντα δὲ τὴν βασιλείαν Ἀλέ-  
ξανδρον, παῖδα ὄντα Φιλίππου, ἐς Πελοπόννησον παρ-ελθεῖν·  
εἶναι δὲ τότε ἀμφὶ τὰ εἴκοσιν ἔτη Ἀλέξανδρον. ἐνταῦθα  
ξυν-αγαγόντα τοὺς Ἕλληνας ὅσοι ἐντὸς Πελοποννήσου ἦσαν  
αἰτεῖν παρ' αὐτῶν τὴν ἡγεμονίαν τῆς ἐπὶ τοὺς Πέρσας  
στρατιᾶς, ἦντινα Φιλίππῳ ἤδη ἔδοσαν· καὶ αἰτήσαντα λαβεῖν  
παρ' ἐκάστων πλὴν Λακεδαιμονίων· Λακεδαιμονίους δὲ ἀπο-  
κρίνασθαι μὴ εἶναί σφισι πάτριον ἀκολουθεῖν ἄλλοις, ἀλλ'  
αὐτοὺς ἄλλων ἐξ-ηγεῖσθαι.

Arrian.



## Senior Latin.

### FIRST PAPER.

#### I.

Translate :

(a) Quibus rebus qui timor bonis omnibus iniectus sit quantaque desperatio rei publicae, si ille factus esset, nolite a me commoneri velle : vosmet ipsi vobiscum recordamini. Meministis enim, quum illius nefarii gladiatoris voces percrebuissem, quas habuisse in conatione domestica dicebatur, quum miserorum fidelem defensorem negasset inveniri posse, nisi eum, qui ipse miser esset, integrorum et fortunatorum promissis saucios et miseros credere non oportere : qua re qui consumpta replere, erepta recuperare vellent, spectarent. quid ipse deberet, quid possideret, quid auderet.

(b) Etenim isti ipsi mihi videntur vestri praeceptores et virtutis magistri fines officiorum paullo longius quam natura vellet protulisse, ut, quum ad ultimum animo contendissemus, ibi tamen, ubi oporteret, consisteremus. Nihil ignoveris. Immo aliquid, non omnia. Nihil gratiae causa feceris. Immo resistito gratiae, quum officium et fides postulabit. Misericordia commotus ne sis. Etiam, in dissolvenda severitate, sed tamen est laus aliqua humanitatis. In sententia permaneto. Vero, nisi sententiam sententia aliqua vicerit melior.

Cicero, *Pro Murena*.

1. Parse (giving the principal parts of verbs) *percrebuissem, auderet, protulisse, consisteremus, resistito, vicerit*.

2. Explain the syntax of *iniectus sit, factus esset, spectarent, vellet, oporteret, ignoveris, dissolvenda*.

3. Turn into oratio recta extract (a) from *inveniri*.

4. Translate, with short notes on syntax or allusions :

(a) Ostendam alio loco quantum salutis communis intersit duos consules in re publica Kalendis Ianuariis esse.

(b) Erant in magna potentia, qui consulebantur : a quibus etiam dies tamquam a Chaldaeis petebantur.

(c) Fuit enim quidam summo ingenio vir, Zeno, cuius inventorum aemuli Stoici nominantur.

(d) Intus, intus, inquam, est equus Troianus.

(e) Hostis est enim non apud Anienem, quod bello Punico gravissimum visum est.

5. Write a short paper on *The conditional sentence in oratio obliqua*.

## II.

Translate :

- (a) Nil me fatalia terrent,  
siqua Phryges prae se iactant, responsa deorum :  
sat fatis Venerique datum, tetigere quod arva  
fertilis Ausoniae Troes. sunt et mea contra  
fata mihi, ferro sceleratam excindere gentem,  
conjugē praerepta : nec solos tangit Atridas  
iste dolor solisque licet capere arma Mycenis.  
“ sed periisse semel satis est ” : peccare fuisset  
ante satis penitus modo non genus omne perosos  
femineum. quibus haec medii fiducia valli  
fossarumque morae, leti discrimina parva,  
dant animos. at non viderunt moenia Troiae  
Neptuni fabricata manu considerare in ignes ?  
Virgil, *Aeneid*, B. IX.

- (b) Aeneas hominum quisquam divomque subegit  
bella sequi aut hostem regi se inferre Latino ?  
Italiam petiit fatis auctoribus (esto)  
Cassandrae impulsus furiis : num relinquere castra  
hortati sumus aut vitam committere ventis,  
num puero summam belli, num credere muros  
Tyrrhenamque fidem, aut gentes agitare quietas ?  
quis deus in fraudem, quae dura potentia nostra  
egit ? ubi hic luno demissae nubibus Iris ?  
indignum est Italos Troiam circumdare flammis  
nascentem et patria Turnum consistere terra,  
cui Pilumnus avos, cui diva Venilia mater :  
quid face Troianos atra vim ferre Latinis ?

Id., B. X.

1. Parse (giving the principal parts of verbs) *tetigere*, *excindere*, *periisse*, *perosos*, *considerare*, *nascentem*.

2. Explain the syntax of *conjugē*, *fuisset*, *valli*, *terra*, *face*.

3. Write notes on *solos tangit Atridas*, *Neptuni fabricata manu*, *Cassandrae*, *vitam committere ventis*, *Tyrrhenam*.

4. Translate, with short notes :

(a) Adnuit et totum nutu tremefecit Olympum.

(b) Laxabant curas et corda oblita laborum.

(c) Cratera anticum, quem dat Sidonia Dido.

(d) Macte nova virtute, puer : sic itur ad astra.

(e) Inarime Iovis imperiis inposta Typhoeo.

5. Define, and illustrate by quotation, the special characteristics of the style of the *Aeneid*.







## Senior Latin.

---

### SECOND PAPER.

---

#### I.

Translate into Latin :

(a) I believe that he did not start for Rome till the 10th of April—a circumstance that he regretted to the last day of his life.

(b) Seeing that the forces of the enemy were too numerous to be routed in a single engagement, he resolved to prepare for a protracted war.

(c) If we had remained for more than six months at Rome, we should not have been able to see anyone when we returned to Athens.

(d) It was most fortunate for me that fighting, as I did, against so much opposition, I gained the victory without the loss of a single soldier.

(e) We had all to die some day. What was the use by declining the contest and deferring the day of death of earning the coward's reputation? (*Or. obl.*)

#### II.

Translate into Latin :

The Etruscans now proceeded to lay siege to the city, which soon began to suffer from famine. Thereupon a young Roman, named C. Mucius, resolved to deliver his country by murdering the invading king. He accordingly went over to the Etruscan camp; but, ignorant of the person of Porsena, killed the royal secretary instead. Seized and threatened with torture, he thrust his right hand into the fire on the altar, and there let it burn, to show how little he heeded pain. Astonished at his courage, the king bade him depart in

peace ; and Mucius, out of gratitude, advised him to make peace with Rome, since three hundred noble youths, he said, had sworn to take the life of the king, and he was the first upon whom the lot had fallen.

### III.

Translate at sight :

Nunc dicamus de gloria, quamquam ea quoque de re duo sunt nostri libri ; sed attingamus, quando quidem ea in rebus majoribus administrandis adjuvat plurimum. Summa igitur et perfecta gloria constat ex tribus his : si diligit multitudo, si fidem habet, si cum admiratione quadam honore dignos putat.

Vehementer autem amor multitudinis commovetur ipsa fama et opinione liberalitatis, beneficentiæ, justitiæ, fidei, omniumque earum virtutum, quæ pertinent ad mansuetudinem morum ac facilitatem. Etenim illud ipsum, quod honestum decorumque dicimus, quia per se nobis placet, animosque omnium natura et specie sua commovet, maximeque quasi perlucet ex eis, quas commemoravi virtutibus : idcirco illos, in quibus eas virtutes esse remur, a natura ipsa diligere cogimur.

Cicero, *De Officiis*.



## Senior Greek.

### FIRST PAPER.

#### I.

Translate :

(a) Τό τε Πελασγικὸν καλούμενον τὸ ὑπὸ τὴν ἀκρόπολιν, ὃ καὶ ἐπάρατόν τε ἦν μὴ οἰκεῖν καὶ τι καὶ Πυθικοῦ μαντείου ἀκρο-τελεύτιον τοιόνδε διεκώλμε, λέγον ὡς “τὸ Πελασγικὸν ἀργὸν ἄμεινον”, ὁμῶς ὑπὸ τῆς παραχρῆμα ἀνάγκης ἐξωκλήθη. καὶ μοι δοκεῖ τὸ μαντεῖον τοῦναντίον ξυμβῆναι ἢ προσεδέχοντο· οὐ γὰρ διὰ τὴν παράνομον ἐνοίκησιν αἱ ξυμφοραὶ γενέσθαι τῇ πόλει, ἀλλὰ διὰ τὸν πόλεμον ἢ ἀνάγκη τῆς οἰκήσεως, ὃν οὐκ ὀνομάζον τὸ μαντεῖον προήδαι μὴ ἐπ’ ἀγαθῷ ποτε αὐτὸ κατοικισθηςόμενον.

(b) Τοῦ δ’ αὐτοῦ θέρους νουμηνία κατὰ σελήνην, ὥσπερ καὶ μόνον δοκεῖ εἶναι γίνεσθαι δυνατόν, ὃ ἥλιος ἐξέλιπε μετὰ μεσημβρίαν καὶ πάλιν ἀνεπληρώθη, γενόμενος μην-οειδῆς καὶ ἀστέρων τινῶν ἐκφανέντων.

(c) Οὔτε γὰρ ἂν ἐπιπλεύσειέ τις ὡς χρὴ ἐς ἐμβολὴν μὴ ἔχων τὴν πρόσοψιν τῶν πολεμίων ἐκ πολλοῦ, οὔτε ἂν ἀποχωρήσειεν ἐν δέοντι πιεζόμενος· διεκπλοι κε οὐτ’ εἰσὶν οὐδὲ ἀναστροφαί, ἅπερ νεῶν ἄμεινον πλεουσῶν ἔργα ἐστίν, ἀλλ’ ἀνάγκη ἂν εἴη τὴν ναυμαχίαν πεζομαχίαν καθίστασθαι, καὶ ἐν τούτῳ αἱ πλείους νῆες κρείσσους γίνονται.

Thucydides, B. II.

1. Parse ἄμεινον, ἐξωκλήθη, ξυμβῆναι, προήδαι, ἐκφανέντων, πλείους, κρείσσους.

2. Explain the syntax of μὴ οἰκεῖν, κατοικισθηςόμενον, θέρους, ἀστέρων, μὴ ἔχων, εἴη.

3. Write notes on *νουμηνία κατὰ σελήνην, ὥσπερ . . .*  
*δυνατόν.*

4. Sketch the history of Greek prose-writing to the time of Thucydides.

## II.

Translate :

(a) Ἐν τοῖς γὰρ οἰκείοισιν ὅστις ἔστ' ἀνὴρ  
χρηστός, φανεῖται καὶ πόλει δίκαιος ὢν.  
ὅστις δ' ὑπερβάς ἢ νόμους βιάζεται,  
ἢ τοῦπιτάσσειν τοῖς κρατύνουσιν νοεῖ,  
οὐκ ἔστ' ἐπαίνου τοῦτον ἐξέμοῦ τυχεῖν  
ἀλλ' ὃν πόλις στήσεις, τοῦδε χρὴ κλύειν  
καὶ σμικρὰ καὶ δίκαια καὶ τὰναντία·  
καὶ τοῦτον ἂν τὸν ἄνδρα θαρσοίην ἐγὼ  
καλῶς μὲν ἄρχειν, εὖ δ' ἂν ἄρχεσθαι θέλειν,  
δορός τ' ἂν ἐν χειμῶνι προστεταγμένον  
μένειν δίκαιον κάγαθὸν παραστάτην.  
ἀναρχίας δὲ μεῖζον οὐκ ἔστιν κακόν.

(b) AI. εἰ μὴ πατὴρ ἦσθ', εἶπον ἂν σ' οὐκ εὖ φρονεῖν.  
KP. γυναικὸς ὢν δούλευμα, μὴ κώτιλλέ με.  
AI. βούλει λέγειν τι καὶ λέγων μηδὲν κλύειν ;  
KP. ἄληθες ; ἀλλ' οὐ τόνδ' ὧς Ὀλυμπον ἴσθ' ὅτι  
χαίρων ἐπὶ φύγοισι δεινδάσεις ἐμέ.  
ἄγετε τὸ μῖσος, ὥς κατ' ὄμματ' αὐτίκα  
παρόντι θνήσκη πλησία τῷ νυμφίῳ.  
AI. οὐ δῆτ' ἔμοιγε, τοῦτο μὴ δόξης ποτὲ,  
οὔθ' ἤδ' ὀλεῖται πλησία, σύ τ' οὐδαμὰ  
τοῦμὸν προσόφει κρατ' ἐν ὀφθαλμοῖς ὁρᾶν,  
ὥς τοῖς θέλουσι τῶν φίλων μαίνη ξυνών.

Sophocles, *Antigone*.

1. Parse *φανέϊται*, *θαρσοίην*, *δορός*, *ἦσθ'*, *ἴσθ'*, *ὀλεῖται*, *προσόψει*.

2. Explain the syntax of *ὦν*, *στήσειε*, *τοῦδε*, *ἀναρχίας*, *εἶπον*, *φρονεῖν*, *ὅτι* . . . *δενύσσεις*, *θνήσκη*.

3. *Μὴ δόξης*. Give the corresponding present form.

4. Translate, with notes on the syntax or allusions :

(a) *Ἄλλ' εὐρεθείη μὲν μάλιστ'.*

(b) *Καὶ φημὶ δρῶσαι κοῦκ ἀπαρνοῦμαι τὸ μή.*

(c) *Μή μοι θάνης σὺ κοινά, μηδ' ἂ μή' θίγες ποιοῦ σεαυτῆς.*

(d) *Οὕτως ἀμυντέ' ἐστὶ τοῖς κοσμουμένοις.*

(e) *Ἦκουσα δὲ λυγροτάταν ὀλέσθαι*

*τὰν Φρυγίαν ξέναν*

*Ταντάλου Σιπύλῳ πρὸς ἄκρῳ.*

5. "The *Antigone* is not a great tragedy though it is a most beautiful and brilliant dramatic poem." Examine this statement.

### III.

State and illustrate the syntax of :

(a) The object clause.

(b) The relative.

(c) Oratio obliqua.







## Senior Greek.

---

### SECOND PAPER.

---

#### I.

Translate into Greek, with accents :

(a) Don't you think that if our general had been in the city, it would never have been taken by the enemy?

(b) Do not answer that he used to blame all whom he saw trying to do him a favor.

(c) O! that you had never said that these prisoners ought to be condemned to death.

(d) When the king had made this answer, we knew that his army was lost.

(e) They asked him why he was so surprised that we had not yet ascertained the strength and position of the enemy.

#### II.

Translate into Greek :

When Maonius was travelling in the Sicilian hills, he used to ride all day, and pass the night with some of the Sicilian farmers. These men seemed to him on the whole to be excellent people, attending to him carefully and conversing with him as the best friends would do: but in this he blamed them, that they stole the corn which he gave to his horse. He did not discover at first the roguery, for he thought the horse had eaten the corn: but perceiving that he became weak and starved, he suspected the cause, and used the following device. Among the corn which he gave the horse he placed five pebbles. If the horse ate the corn he knew that he would not eat the stones, and therefore that these would always be left in the manger.

*Roguery, ἀπατή. Be starved, πεινῶ. Manger, φάτνη.*

### III.

Translate at sight :

Τοιαῦτα ὁ Παγώνδας τοῖς Βοιωτοῖς παραινέσας ἔπεισεν  
 ἵέναι ἐπὶ τοὺς Ἀθηναίους. καὶ κατὰ τάχος ἀναστήσας ἤγε  
 τὸν στρατόν· ἤδη γὰρ καὶ τῆς ἡμέρας ὀψὲ ἦν. ἐπεὶ δὲ  
 προσέμειξεν ἐγγὺς τοῦ στρατεύματος αὐτῶν, ἐς χωρίου  
 καθίσας ὅθεν λόφου ὄντος μεταξὺ οὐκ ἐθεώρουν ἀλλήλους,  
 ἔτασσε τε καὶ παρесеυάζετο ὥς ἐς μάχην. τῷ δὲ Ἴπ-  
 ποκράτει ὄντι περὶ τὸ Δήλιον ὥς αὐτῷ ἠγγέλθη ὅτι Βοιωτοὶ  
 ἐπέρχονται, πέμπει ἐς τὸ στράτευμα κελεύων ἐς τάξιν καθ-  
 ἱστασθαι, καὶ αὐτὸς οὐ πολλῷ ὕστερον ἐπῆλθε, καταλιπὼν  
 ὥς τριακοσίους ἱππέας περὶ τὸ Δήλιον, ὅπως φύλακές τε  
 ἅμα εἶεν, εἴ τις ἐπίοι αὐτῷ, καὶ τοῖς Βοιωτοῖς καιρὸν φυ-  
 λάξαντες ἐπιγένονιντο ἐν τῇ μάχῃ.

Thucydides, B. IV.





## Junior Mathematics—Algebra.

---

Thirty per cent will be counted a pass on this paper.

---

1. State the commutative and distributive laws of Algebra, and explain the conditions under which they apply to Geometry.

2. Employ the symbol  $\Sigma$  to write concisely the expansions,  $(a+b+c+\dots)^2$  and  $(x+a)(x+b)(x+c)\dots$

3. Put into linear factors, the expressions

$$(1) \ a^2b^2 - \frac{1}{4}(a^2 + b^2 - c^2)^2.$$

$$(2) \ x^4 - 3x^2 - 1.$$

$$(3) \ ax^2 + bx + c.$$

What significance has the result of the third ?

4. If  $X, Y, Z$  denote three expressions, and  $g_1, g_2, g_3$  and  $l_1, l_2, l_3$  are their G.C. Ms and L.C. Ms, when taken in pairs, show that

$$(XYZ)^2 = g_1g_2g_3 \ l_1l_2l_3.$$

5. Simplify the fraction

$$\frac{a^3}{(a-b)(a-c)} + \frac{b^3}{(b-c)(b-a)} + \frac{c^3}{(c-a)(c-b)}.$$

If  $\frac{a+b}{a-b} = \frac{b+c}{2(b-c)} = \frac{c+a}{3(c-a)}$  show that  $8a + 9b + 5c = 0$ .

6. Two ropes are in length as  $a : b$ . What equal lengths must be cut from each that the remaining parts may be as  $2b : a$  ?

7. Show that a surd cannot be the sum of a rational quantity and a surd.

Extract the square root of  $4 + 2\sqrt{3}$ .

Express the relation  $\sqrt{x} + \sqrt{y} + \sqrt{z} = 0$  without radicals.

8. Draw the graph of  $x^2 + 2x - 4$  and from it determine what you can with regard to the roots, &c.

9. Find  $x$  from the equations  $x + y + z = 0$ ,  
 $(b + c)x + (c + a)y + (a + b)z = 0$ , and  $bcx + cay + abz = 1$

Also if  $a_1x + b_1y + c_1 = 0$ ,  $a_2x + b_2y + c_2 = 0$  and  
 $a_3x + b_3y + c_3 = 0$ ,  
then

$$a_1(b_2c_3 - b_3c_2) + a_2(b_3c_1 - b_1c_3) + a_3(b_1c_2 - b_2c_1) = 0.$$

10. Find a multiple of 7 which being divided by 12 and 17 leaves a remainder 5 in each case.

11. What are the differences between an A. P. a G. P. and an H. P.?  $a$  and  $b$  being two terms what is the mean between  $a$  and  $b$  in each case?

12. If  $P$  dollars are put at compound interest for  $t$  years at  $r$  per unit, show that the amount is  $A = P(1 + r)^t$ . Show how to obtain  $t$  from this equation.

13. The volume of a gas varies inversely as the pressure upon it and directly as its absolute temperature.

If  $V$  be the volume for pressure  $P$  and temperature  $T$ , find the volume  $v$  for pressure  $p$  and temperature  $t$ .

14. Express  $\log. \frac{8^{\frac{1}{2}} \cdot 12^{\frac{1}{3}}}{(\frac{1}{2})^{\frac{1}{5}} \cdot 15^{\frac{1}{3}}}$  in a form containing no logarithms except those of 2 and 3.

15. 3 black, 4 red and 5 white balls are put into a bag and two balls are drawn at once. What is the chance that they will be a red and a black?

16. The time from one new moon to another is 29.53 days, and a year consists of 365.24 days. Employ converging fractions to show that in 19 years the changes of the moon will approximately repeat themselves.







## Geometry.

---

Thirty per cent will be counted a pass on this paper.

---

1. (a) Construct a triangle geometrically when three sides are given.  
(b) Obtain a formula which gives the cosine of one of the angles when the three sides are given.  
(c) Interpret (b) geometrically when the expression for the cosine gives a result  
(i) 1, (ii)  $> 0$  and  $< 1$ , (iii)  $< 0$  and  $> -1$ .  
How would the impossibility of constructing the triangle be indicated?
2. (a) The three medians of a triangle are concurrent, at the centroid. How does the centroid divide each?  
(b) The sum of the squares upon any two sides of a triangle is equal to twice the sum of the squares on one-half the third side and on the median to the third side.  
(c) If  $m$  denote a median and  $s$  a side,  
$$3\Sigma(s^2) = 4\Sigma(m^2).$$
3. (a) Obtain any construction for dividing a line-segment into extreme and mean ratio.  
(b) Explain the uses of a segment so divided, proving any statements requiring it.
4. (a) Give the two special secants to a circle, and show that they are perpendicular to one another when they meet upon the circle.  
(b) The square on the tangent from any point is equal to the rectangle on the segments of any secant through the point.

(c) If the earth's diameter is 8000 miles, how far can a person see over its surface from the top of a mountain one mile high ?

5. The bisectors, internal and external, of the vertical angle of a triangle, divide the base internally and externally, in the same manner ; *i.e.* into segments proportional to the conterminous radii.

Where are the points of division when the triangle is isosceles, and what is the external point of bisection of a given segment ?

6. (a) The rectangle on any two sides of a triangle is equal to that on the altitude to the third side and the diameter of the circumcircle.

(b) If  $\Delta$  denote the area of the triangle and  $R$  the circumradius,

$$R = \frac{abc}{4\Delta}.$$

7. (a) Similar rectilinear figures vary as the squares on homologous sides.

(b) Draw a line parallel to the base of a triangle so as to bisect its area.

8. Describe a parallelopiped and show that  $\Sigma(e^2) = \Sigma(d^2)$  where  $e$  denotes an edge and  $d$  a diagonal.

9. Find expressions for (1) the altitude, (2) the volume, and (3) the cosine of the dihedral angle of the regular tetrahedron.

10. Prove the addition theorem for the sine, and thence deduce that for the cosine.

11. Find the basal angle of a triangle when the altitude is a geometric mean between the base and the side.

12. If  $a$  and  $b$  denote the sides of a parallelogram and  $\theta$  the angle between them, show that one diagonal is double the other, when

$$\cos \theta = \frac{3}{10} \left( \frac{a}{b} + \frac{b}{a} \right).$$





## Senior Mathematics—Algebra and Trigonometry.

---

1. Prove that the series  $\frac{1}{1^p} + \frac{1}{2^p} + \frac{1}{3^p} + \dots$  is convergent if  $p > 1$ .

Thence show that if  $u_n$  be the  $n$ th term of a series, the series is convergent if

$$n \left( \frac{u_n}{u_{n+1}} - 1 \right) > 1 \text{ as } n \doteq \infty.$$

Examine the series  $1 + \frac{1+2}{1+2^2} + \frac{1+3}{1+3^2} + \dots$  as to its convergency.

2. Show that the sum of the cubes of the first  $n$  natural numbers is equal to the square of the sum of the numbers.

3. Revert the series  $e = 1 + \frac{x}{1} + \frac{x^2}{1 \cdot 2} + \frac{x^3}{1 \cdot 2 \cdot 3} + \dots$

4. Develop  $a^x$  in ascending powers of  $x$ ,

and thence show that  $\frac{x}{e^x - 1} = 1 - \frac{x}{2} + \frac{x^2}{12} - + \dots$

5. Assuming that  $\log(1+x) = x - \frac{1}{2}x^2 + \frac{1}{3}x^3 - + \dots$

Find the log of  $\frac{1+n}{1-n}$ , and thence show that

$$1 + \frac{1}{3} \cdot \frac{1}{9} + \frac{1}{5} \cdot \left(\frac{1}{9}\right)^2 + \frac{1}{7} \cdot \left(\frac{1}{9}\right)^3 + \dots + \frac{1}{9} + \frac{1}{3} \cdot \left(\frac{1}{9}\right)^3 + \frac{1}{5} \cdot \left(\frac{1}{9}\right)^5 + \dots = \log 10.$$

6. State Demoivre's theorem and indicate any method of proving it.

Employ the theorem to develop  $\cos n\theta$  in powers of the sines and cosines of the single angle.

Thence find a series for  $\cos \theta$  in terms of  $\theta$ .

7. Assuming the relation

$$\sin \theta = \theta \left(1 - \frac{\theta^2}{\pi^2}\right) \left(1 - \frac{\theta^2}{2^2 a^2}\right) \dots$$

Obtain Wallis' series for  $\frac{\pi}{2}$ .

8. Show that  $i \tan^{-1} \frac{y}{x} = \mathcal{L}(x + iy) - \frac{1}{2} \mathcal{L}(x^2 + y^2)$ , and thence deduce the series

$$\frac{\pi}{4} = \sin \theta + \frac{1}{3} \sin 3 \theta + \frac{1}{5} \sin 5 \theta + \dots$$





## Coordinate Geometry.

---

1. Find the equations of lines fulfilling the following conditions :

- (i.) Passing through the point  $(a, b)$  and bisecting the join of  $(h, k)$  with the origin.
- (ii.) Bisecting perpendicularly the join of  $(a, b)$  and  $(h, k)$ .
- (iii.) Bisecting the angle between  $2y + x - 1 = 0$  and  $y - 2x + 3 = 0$ .
- (iv.) Touching the circle  $x^2 + y^2 = r^2$  and passing through the point  $(x_1, y_1)$ .

2. Find the distance of the point  $(3, 4)$  from the line  $y - 2x + 3$  measured ;

- (i.) Perpendicularly to the line.
- (ii.) Parallel to the  $x$  axis.
- (iii.) Parallel to the  $y$  axis.
- (iv.) Along the bisector of the angle between the axes.

3. Discuss the more prominent properties common to all the conics.

4. Examine and illustrate the different methods of obtaining the equation to the tangent to a conic, and the different forms of that equation.

The marks allotted to questions 3 and 4 will depend upon the thoroughness with which the subjects are discussed, and the modes of discussion.





## Junior Physics.

---

### FIRST PAPER.

---

*N.B.—Only 12 questions to be answered.*

1. Name and define the principal phases of molecular forces. What is their characteristic property?

2. Describe and explain the fundamental phenomena of capillarity.

3. Explain (1) the floating of iron dust on water, (2) the floating of an iron needle on water, (3) the floating of an iron ship in water.

4. Explain generally how the compensation of a pendulum for change of temperature is made. Make a sketch of the best compensated pendulum. How is the compensation made in a watch?

5. On what does the boiling point of a liquid depend? Explain how water may be made to boil at  $75^{\circ}\text{C}$ .

6. What are the two specific heats of a gas? Determine the relation between them and the dynamical equivalent of heat.

7. Find how many litres of air would be raised through  $1^{\circ}\text{C}$  by a litre of water cooling through  $1^{\circ}\text{C}$ ; s. w. of air = 0.0012932, and s. h. of air = 0.238.

8. Describe electric induction, and explain how it is taken advantage of in condensing electric energy.

9. Explain the action of a lightning rod. What are the important points to be attended to in the erection of one?

10. Prove that the electric energy of a charged conductor is proportional to the square of the quantity of electricity with which the conductor is charged.

11. Explain by a diagram when an eclipse of the sun will be annular. How is it that in a total eclipse of the moon, the moon is visible?

12. Explain how the velocity of light has been determined by the aberration of light.

13. What is the declination of the magnetic needle? Tell all you know about it.

14. Explain how the direction, in which a freely suspended needle points, may be explained by assuming that the earth is a magnet.

15. Define a wave and explain the difference between a sea-wave and a sound-wave.

16. Name the three properties of a musical note, and explain how they are physically measured.





## Junior Physics.

---

### SECOND PAPER.

---

1. Express the acceleration of a body falling in vacuo (980.5) in units of a metre and minute.

2. A body is projected vertically upwards with a velocity of 320 vels. (1) How long will it rise? (2) How far will it rise? (3) When and where will its velocity be 150 miles per hour? (4) How long will it take to rise 1000 ft.? (5) What will its velocity be at that height? (6) How far will it travel in the seventh second? Given  $g = 32$ .

3. Enunciate Newton's First Law of Motion. How may the earth's rotation from west to east be visibly proved?

4. If a merchant buys goods in London by means of a spring balance, and with the same balance sells in Kingston, will he gain or lose in the transaction? Why? Shew that a poundal is nearly equal to a half ounce-weight.

5. A kilogram of lead (s. w. 11.35) is suspended in water by a string; find the tension of the string.

6. What are the several corrections to be made in determining the specific weight of a body exactly? Name the physical instruments used for this purpose.

7. At what rate will a train of 80 tons be drawn by a locomotive of 70 H. P., the frictional resistance being 10 lbs.-wt. per ton; and how far, after steam is shut off, will it go before being brought to rest?

8. A bomb-shell moving with a velocity of 50 vels bursts into two parts whose masses are 70 and 40 lbs. After bursting, the larger part turns back with a velocity of 10 vels; find the velocity of the smaller part.



9. Determine the ratio of the length of the sidereal to the length of the mean solar day.

10. Explain clearly how the parallelogram of forces is deduced from the parallelogram of velocities.

11. A body of 10 kilograms hanging freely is connected by a cord passing over a small smooth pulley with another body of 4 kilograms resting on a plane inclined to the horizon at  $\frac{1}{3}\pi$ ; if  $\frac{1}{2}$  be the coefficient of friction between the latter body and the plane; find the acceleration of motion and the tension of the cord.

12. A storekeeper possessing a balance, whose arms are 12 and  $12\frac{1}{2}$  inches long respectively, sells from each arm alternately; will he gain or lose in the long run? by how much p. c. of the money drawn?

13. Find the centre of area of a plane triangle, and shew that it coincides with the centre of mass of three equally massive particles placed at the angular points.





## Senior Physics.

---

### FIRST PAPER.

---

1. A rope is stretched round a rough right circular cylinder in a plane perpendicular to the axis. If  $P$  and  $Q$  denote the tensions at the extremities of any portion of length  $l$ , prove that  $Q : P = e^{\mu(l:r)}$ ,  $r$  being the radius of the cylinder,  $\mu$  the coefficient of friction, and  $e$  the base of the Naperian system of logarithms.

2. Explain what is meant by the static, kinetic, and mechanical advantages of a machine, and find the relation between the last two and the efficiency of the machine.

3. Shew that no circle can be drawn touching a curve at any point, which will lie between the curve and the circle of curvature at that point.

4. To determine the acceleration of a body which moves uniformly in a circle.

5. Shew how the absolute gravitation between two particles, each of unit mass, and unit distance apart, may be determined.

6. To prove that the motion of a simple pendulum, oscillating through small angles, is very nearly S.H.M.; and to find the time of oscillation.

7. Define elasticity and prove that the elasticity of a gas far removed from its point of condensation is measured by its tension.

8. Determine the law of variation of pressure with depth in a liquid of uniform temperature under the action of no external force except that of weight.

9. A vessel in the form of a hollow cone is filled with water; compare the pressures produced by the water

on the bottom of the vessel and on the body supporting the vessel. Compare also the resultant pressure on the curved surface of the vessel with the weight of the water.

10. What should be the reduced reading of the barometer at the top of Fujiyama, the highest mountain in Japan, on a calm day when the mean temperature is  $10^{\circ}$ , and the pressure at the sea-level 76 cm., the height of the mountain being 12365 feet, and the value of  $g$  being 980.5 ?

11. To determine the hodograph of the motion of a projectile, and thence to deduce the equation of the path referred to vertical and horizontal axes through the point of projection.

12. The path of the centre of mass of any number of projectiles is similar to that of each of the particles, viz., a parabola with its axis vertical.





## Senior Physics.

---

### SECOND PAPER.

---

1. A body describes an ellipse under the action of a force in the centre ; required to determine the periodic time in terms of the absolute force of the centre.

2. Prove that at every point of a body there are three principal axes. Find them.

3. A conical vessel open at the top and filled with liquid rotates about its axis ; find how much runs over, (1) when the angular velocity is less, and (2) when it is greater than  $\sqrt{(g \cot \alpha \div h)}$ ,  $h$  being the height of the cone, and  $\alpha$  its semi-vertical angle.

4. A bar of metal, one-fourth of a square inch in section, can support a weight of 1000 lbs. ; find the greatest fluid pressure which a cylindrical pipe made of this metal can sustain, the diameter being 10 inches and the thickness one-tenth of an inch.

5. Find the centre of mass of a rod of uniform density and of small and uniform section in the form of a circular arc.

6. To find the direction and magnitude of the resultant attraction of a uniform rod upon a particle according to the law of gravitation.

7. Having given the velocity with which a body is moving at any three points of a given orbit, described by it under the action of forces tending to a common centre, to find that centre.

8. Given the latitude of the place and the declination of the sun, find the local apparent time of sunrise, (refraction being neglected).



9. Explain in what circumstances the motion of the planets is direct, when it is retrograde, and when they appear to be stationary.

10. Given the synodic period of the moon (29 d. 12 h. 44 min.), find its periodic time. In an eclipse of the moon find the angular breadth of the shadow at the distance of the moon as seen from the centre of the earth.

11. The mass of the earth being the unit, find the mass of the sun.

12. Given the geographic latitude of a place, find the geocentric latitude.

13. The polar equation to a body acted on by a central force being  $\left(\frac{d^2u}{d\theta^2} + u\right)h^2u^2 = F$ , find the law of force in an ellipse, one of the foci being the centre of force.



## Junior Philosophy.

---

### 1. HISTORY OF PHILOSOPHY.

1. State and criticise Grote's view of the Sophists.
2. What is Plato's view of the place of art in education? Add remarks.
3. Explain the Platonic idea of Justice in the State and the individual. How does it differ from the modern view?
4. What does Plato mean by "spirit," and what forms does it assume? Examine his conception of its relations to appetite and reason.
5. Give a summary of the main points in the ethics of Aristotle.
6. What are the main principles of the Stoic ethics?



## Junior Philosophy.

---

### 2. A. PRINCIPLES OF PHILOSOPHY.

1. How are mechanical force, chemical affinity, vital energy and conscious activity related to one another?
2. What are the defects of the sensitive phase of consciousness?
3. Compare the views of Hume and Kant in regard to causality.
4. State and criticise Mill's psychological theory of the belief in an external world.
5. How are the ideas of freedom and duty related to each other?
6. Show how the ideas of property, contract and crime are related to the idea of personality.



## Junior Philosophy.

---

### 2. B. PSYCHOLOGY.

#### *For Extra-mural Students.*

1. Consider the validity of Dewey's distinction between the facts of self as individual and other facts of nature as universal.

2. "Every consciousness is the relation of a universal and an individual element. The universal element is knowledge, the individual is feeling, while the relation which connects them into one concrete content is will." Examine.

3. What is Dewey's view of the nature of sensation? Does it present any difficulties?

4. What is the nature of attention as a relating activity?

5. Give the chief points in Dewey's explanation of association by contiguity. Add remarks.

9. Discuss the nature of Inductive and Deductive Reasoning.





## Junior Philosophy.

---

### 3. A. LOGIC AND PSYCHOLOGY.

1. Examine the validity of the following moods in the second and third Figures, and where invalid state the rule or rules violated:—AAA, AII, AIO, AAI, OIO.

2. State, explain and give a concrete example of the inductive Method of Difference.

3. Examine the following arguments, stating fully their logical imperfections :

(1) Pious men only are fit to be ministers of religion ; some ignorant men are pious ; therefore ministers of religion may be ignorant men.

(2) I shall see you if you do not go ; but as you are going I shall not.

(3) This is a dangerous doctrine, for we find it upheld by infidels.

4. Consider the validity of Dewey's distinction between the facts of self as individual and the facts of nature as universal.

5. "Every consciousness is the relation of a universal and an individual element. The universal element is knowledge, the individual is feeling, while the relation which connects them into one concrete content is will." Examine.

6. What is Dewey's view of the nature of sensation ? Does it present any difficulties ?



## Junior Philosophy.

---

### 3. B. LOGIC.

#### *For Extra-mural Students.*

1. Examine the validity of the following moods in the second and third Figures, and where invalid state the rule or rules violated:—AAA, AII, AIO, AAI, OIO.

2. State, explain and give a concrete example of the inductive Method of Difference.

3. Examine the following arguments, stating fully their logical imperfections :

(1) Pious men only are fit to be ministers of religion ; some ignorant men are pious ; therefore ministers of religion may be ignorant men.

(2) I shall see you if you do not go ; but as you are going I shall not.

(3) This is a dangerous doctrine, for we find it upheld by infidels.

(4) If peace at any price is desirable, war is an evil ; and as war is certainly an evil, peace at any price is desirable.

4. Give original examples of the different kinds of Immediate Inference.

5. Express the following reasoning in each of the four syllogistic figures :

Some medicines should not be sold without registering the buyer's name, for they are poisons.

6. Explain and give an example of Perfect Induction.



## Junior Philosophy.

---

### 4. A. POLITICAL ECONOMY.

1. Why is hypothetical reasoning so largely employed in the study of Political Economy? What safeguards are necessary in the use of it?

2. What conditions counteract the influence of the law of Diminishing Returns, and in what directions are they effective?

3. Define Capital, and explain its function as a necessary element in production.

4. Point out some of the consequences of the partial immobility of capital and labour.

5. Give the chief conditions of Economic Value. Distinguish it from price.

6. State the conditions of commercial competition, and show that they are now bringing about the defeat of that competition.

7. What determines the normal standard of value, and what relation does it bear to market price?

8. What are the advantages and disadvantages of an inconvertible paper money?

9. Mention the chief elements determining Rent. What is the imperfection of the Ricardian theory?



## Junior Philosophy.

---

### 4. B. POLITICAL ECONOMY.

*For Extra-mural Students.*

1. State and examine the Malthusian theory of population.

2. Distinguish between *value* and *price*. Is it possible for a general rise or fall to take place in either ?

3. What are the chief functions of a Bank ; and what determines the amount of paper money which it may issue ?

4. State the leading advantages and disadvantages of Trades Unions.

5. What are the chief conditions determining rent ?

6. Discuss briefly the advantages claimed for commercial protection.

7. What benefits are attributed to the Colonial connection, (*a*) as regards the mother country, (*b*) as regards the Colonies ? Apply to Canada.

8. What are the relative merits of direct and indirect taxation ?







## Senior Philosophy.

---

### FIRST PAPER.

---

1. "To *think* an object is not the same thing as to *know* it." Explain and examine.
2. "Schemata lie at the foundation of our pure sensuous conceptions." Explain.
3. Distinguish between a regulative principle of judgment and a regulative principle of reason.
4. "The consciousness of self does not yield any knowledge of self as an object." How does Kant apply this principle in criticism of rational psychology?
5. Explain Kant's distinction between *pleasure* and *good*, and shew how he applies it in solution of ethical problems.
6. How does Kant solve what he calls the "antinomy of judgment?"

## Senior Philosophy.

---

### SECOND PAPER.

---

1. How would a consistent physical science of ethics deal with conscience and free will?
2. How does Green differ from Kant in regard to the relations of intelligence and nature?
3. "An eternal consciousness reproduces itself in us." Explain and examine.
4. "A motive is the outcome of circumstances and character." Criticise.
5. State shortly the relations of desire, intellect and will.
6. State and examine Mr. Sidgwick's view of ultimate good.





## Chemistry.

---

### I.

1. Show that the following case illustrates the Law of Multiple Proportions:—There are three oxides of manganese of which the percentage composition is respectively (1) *manganese*, 77.47, and *oxygen*, 22.53; (2) *manganese*, 69.62, and *oxygen*, 30.38; (3) *manganese*, 63.22, and *oxygen*, 36.78.

2. Explain the following terms:—*hydroxide*, *absolute temperature*, *decomposition*, *equivalent weight*, *compound radical*, *isomorphous*, *dimorphous*, *allotropic*, *isomeric*, and *valence*. Show the application of the terms by means of examples.

3. What weight of zinc must be dissolved in order to give 100 litres of hydrogen measured at 17° C and 3 atmospheres pressure?

4. (a) Describe carefully a method by which the composition of air by weight has been determined. (b) Mention the substances present in air and give as far as you can the proportion of each.

5. Write equations representing the action of nitric acid on (a) copper, (b) arsenic trioxide, (c) ammonia, (d) benzene, and (e) glycerine. Mention in each case whether the acid should be employed diluted or undiluted.

6. Describe *three* methods for preparing chlorine, and write the equations.

7. (a) How are hypophosphite of sodium, of potassium, and of calcium prepared? (b) Write the formulas for these substances.

8. Write a short account of the preparation and properties of the oxides of carbon.

9. Compare nitrogen, phosphorus, arsenic, and antimony, (*a*) as to physical and (*b*) as to chemical properties.

10. (*a*) Mention the natural forms in which silica occurs. (*b*) What evidence is there that silica is an acid-forming oxide?





## Chemistry.

---

### II.

1. (a) Mention the principal substances obtained by the distillation of wood. (b) By what method can ethyl alcohol be made from cellulose?

2. Show the analogy between alcohols and metallic hydroxides.

3. What substances can be prepared by the action of sulphuric acid on potassium ferrocyanide? Mention any necessary conditions.

4. From what sources are the following obtained:—*tartaric acid, citric acid, carbolic acid, benzoic acid, and creosote?*

5. What is the composition of the following:—*chalk, paper, black lead, saltpetre, Epsom salts, "superphosphate", Seidlitz powders, vinegar, oil of turpentine, and kerosene oil.*

6. Illustrate by means of *calcium, strontium, and barium* those serial relations which have led to the formulation of the "*Periodic Law of the Elements.*"

7. Given sodium carbonate, how would you prepare (a) caustic soda, (b) sodium sulphate, (c) sodium bisulphate, (d) sodium, and (e) sodium bi-carbonate?

8. Write the formulas for *green vitriol, tartar emetic, calomel, washing soda, calcic nitrate, ferric chloride, vermilion, starch, cane sugar, and sugar of lead.*

9. From cupric sulphate how would you prepare the following:—(a) *cupric hydroxide*, (b) *cupric oxide*, (c) *cuprous oxide*, (d) *cupric nitrate*, and (e) *Scheele's green?*

10. Write the names and formulas of the more important compounds (a) of mercury and (b) of chromium.





## Chemistry.

(MEDICAL.)

---

FIRST YEAR.

---

1. (a) Mention *ten* metals and *ten* non-metals; (b) mention *three* elements the chemical properties of which are both metallic and non-metallic.

2. What is the composition of the following :—*sand, quick-lime, clay, glass, paper, silver coin, baking soda, borax, quartz, galena.*

3. (a) Change  $-40^{\circ}$  Fahrenheit to Centigrade. (b) Twenty ounces of ice at  $0^{\circ}$  C are melted in 1000 ounces of water at  $50^{\circ}$  C. What is the resulting temperature?

4. What weight of carbon dioxide at standard temperature and pressure will fill a vessel of 15 litres capacity?

5. Show that the Law of Multiple Proportions applies to the following case:—The percentage composition of three oxides of manganese is (1) manganese, 77.40; oxygen, 22.60; (2) manganese, 69.54; oxygen, 30.46; and (3) manganese, 63.13; oxygen, 36.87.

6. (a) How is Epsom Salt prepared? (b) Write its formula and mention its chief properties.

7. (a) How would you prepare a specimen of carbon dioxide? (b) Mention its important properties. (c) Write the equation.

8. Mention *three* gaseous poisonous compounds of carbon and write their formulas.

9. Give a list of the names and formulas of the more important compounds of mercury.

10. Starting with sodium chloride, how would you prepare (a) sodium sulphate, (b) chlorine, (c) hydrochloric acid?

## Chemistry.

(MEDICAL.)

---

### SECOND YEAR.

---

1. Prepare nitrogen monoxide and illustrate its properties by experiments.

2. Convert starch into glucose and show that the conversion has taken place. Explain the chemical actions involved.

3. Illustrate and explain the action of lead nitrate as a deodoriser.

4. Prepare *Calomel* and *Black Wash*, and explain the chemical actions involved.

5. Prepare nitrogen and explain the chemical action involved.

6. Convert cane sugar into grape sugar, and show that the change has taken place.

7. Prepare *Powder of Algaroth* and explain the chemical action involved.

8. Prepare ferric hydroxide and explain your method.





## Natural Science.

---

### FIRST PAPER.

---

1. Define the following terms :—Bud, axil, tracheïd, gynœcium, dimorphism, didynamous, adnation, perianth, stigma, placenta.

2. Describe (1) Bast-cells, (2) Sieve-cells.

3. Describe three classes of Plastids distinguished by their color which are found in the cells of plants.

4. Mention three circumstances upon which the movements of water in plants depend, and explain how each of these affects the movement.

5. From what sources do plants receive the following elements of food : (1) Carbon, (2) Oxygen, (3) Hydrogen, (4) Nitrogen, (5) Phosphorus.

6. Describe the manner in which water circulates through a living sponge.

7. What causes the “ Measles ” of the Pig, and the “ Staggers ” of the Sheep ?

8. Name the bones which compose the skeleton of the human arm and hand.

9. Describe the arms and suckers of the Squid.



## Natural Science.

---

### SECOND PAPER.

---

1. Give the names and position of the Fins of some common fish : also the difference between homocercal and heterocercal tail.

2. Define the following terms:—Pseudopodium, discontinuous gemmation, fission, gonophore, polypary, trophosome, hydrotheca, telson, coenosare, polypite.

3. Describe the ambulacral system of a Starfish.

4. Explain the processes by which the following rocks may be formed:—(1) Travertine, (2) Quartzite, (3) Limonite, (4) Flint, (5) Chalk.

5. Give a list of different kinds of Springs and explain how three of them may be produced.

6. By what means do geologists endeavour to ascertain the amount of denudation from any large area ?

7. Classify and explain the different ways in which rivers act as geological agents.

8. Explain three ways in which the geological work of the sea may be accomplished.





## History.

---

### FIRST PAPER.

---

Answers to only eight of the following questions required.

1. Name in chronological succession the several great kingdoms of Central Asia, and state the general character of their civilization.

2. Rawlinson says "Phoenicia was one of the most important countries of the ancient world." Explain this fully, and state the causes of its decline.

3. State the principal features of the Carthaginian constitution.

4. Give a short outline of Egyptian history from the twentieth dynasty till the subjection by Rome.

5. Name the great tribal divisions of Greece and give a short account of the Doric Migration.

6. Under what circumstances did Athens acquire the supremacy in Greece? How did she lose it?

7. Curtius says that the Peloponesian war was not only a contest of principles, but also of races. Explain his views.

8. Trace the growth of the Macedonian power till the death of Alexander.

9. Give a short sketch of the Roman Comitia.

10. What were the terms of the Lucinio-Sextian laws?

11. What were the changes proposed by Caius Gracchus?

## History.

---

### SECOND PAPER.

---

Answers to only eight of the following questions required.

1. What was the condition of the Roman Municipia in the fourth century?
2. State the internal causes of the decline of Rome.
3. What were the results of the removal of the seat of Empire from Rome to Constantinople?
4. Sketch shortly the growth of the Communes in France. Compare them with the free towns of Germany.
5. What were the effects of the Crusades on Europe, especially on France?
6. Give a sketch of the Feudal System in England under the Norman kings?
7. Trace the history of the House of Commons till the Stuart period.
9. Who were the electors in the Counties, and also in the Boroughs?
9. What are the terms of the Habeas Corpus Act? When was it passed? Mention occasions of its suspension.
10. What were the powers of the Spanish Cortes?
11. Under what circumstances was Switzerland united to Germany? Give an account of its formation into a separate confederacy.





## Junior English.

---

### FIRST PAPER.

---

1. What are the foreign elements in the English Language, and to what extent has each affected it?

2. Distinguish fully between a Synthetical and an Analytical language.

3. Trace the growth of inflections in nouns and verbs, giving examples of each.

4. Explain the adverbial forms—needs, hence, randomness, seldom, again, rather.

5. Give two examples of each of the following figures of speech,—Mixed Metaphor, Metonymy, Antithesis, Hyperbola.

6. State what figures of speech occur in the following passages, and point out any faults:—

“And now the chapel’s silver bell you hear,  
That summons you to all the pride of prayer.”

“So frowned the mighty combatants that hell  
Grew darker at their frown.”

“Youth is the spring of life.”

“The seeds of discord were kindled.”

“Would I had died before the well fought wall.”

“He went to his imagination for his facts, and his memory for his figures.”

7. Compare the English Ballad Literature with the contemporary literature in France.

8. Explain the following passages from Julius Caesar:

“You know it is the feast of Lupercal.”

“Vexed I am  
Of late with passions of some difference,  
Which give some soil perhaps to my behaviours.”

“Till then, my noble friend, chew upon this.”



"Fear him not, Caesar ; he's not dangerous ;  
He is a noble Roman, and well given."

"You speak to Casca, and to such a man  
That is no fleering tell-tale."

"Sir, it is your brother Cassius at the door."

"Swear priests, and cowards, and men cautelous."

“For he loves to hear  
That Unicorns may be betray’d with trees,  
And bears with glasses, elephants with holes,  
Lions with toils, and men with flatterers.”

"These couchings, and these lowly courtesies  
Might fire the blood of ordinary men,  
And turn pre-ordination and first-decree  
Into the law of children."

“Here wast thou bay’d, brave hart,  
Here did’st thou fall, and here thy hunters stand  
Sign’d in thy spoil, and crimson’d in thy lethe.”

"Cry 'Havoc', and let slip the dogs of war."

“A barren-spirited fellow ; one that feeds  
On objects, orts and imitations.”

“Antony,  
The posture of your blows are yet unknown ;  
But for your words, they rob the Hybla bees,  
And leave them honeyless.”



## SECOND PAPER.

## SECOND PAPER.

1. Quote one of the following passages, beginning :
  - (1) O mighty Caesar ! dost thou lie so low ?
  - (2) O, pardon me, thou bleeding piece of earth.
  - (3) 

Messala,

This is my birth-day ; this very day  
Was Cassius born.
2. Write an Essay on one of the following subjects :
  - (1) Shakespeare's Julius Caesar.
  - (2) Style, espccially contrasting Johnson's style in *Rasselas*, and Burke's in his *Reflections on the French Revolution*.
  - (3) A Descriptive Essay. The writer is permitted to describe any place with which he may be familiar, but must adhere to the rules laid down for description.





## Senior English.

---

### FIRST PAPER.

---

1. Classify Shakespeare's plays according to the classification given in the lectures.

2. Compare Marlowe's Faust with Goethe's Faust.

3. Taine calls the Revival of Literature in England a Pagan Renaissance. Why does he call it Pagan?

4. What are the peculiar features of Milton's prose style? How far did he sympathise with the Puritans, and when does he seem inclined to the Royalists? Give an outline of L'Allegro and Il Penseroso.

5. What are the peculiarities of the metaphysical poets?

6. What are the characteristics of the prose style of the Queen Anne period?

7. Compare Pope's poetic style with Sir Walter Scott's.

8. Trace the growth of the Romantic style?

9. State the views on Poetry held by Macaulay, Scott, Wordsworth and Coleridge respectively.

10. Explain the following passages, noting especially any allusions:

"For, by the sacred radiance of the sun,  
The mysteries of Hecate and the Night."

"How near's the other army?  
Near and on speedy foot; the main descry  
Stands on the hourly thought."

"And the king gone to-night! Subscribed his power!  
Confined to exhibition. All this done upon the gad!"

"The untented woundings of a father's curse  
Pierce every sense about thee."

"What hath been seen  
Either in snuffs and packings of the duke."

"O nuncle, court holy-water in a dry house  
Is better than this rain-water out o'door."

"This is the foul fiend Flibbertigibbet ; he begins at curfew and  
walks till the first cock ; he gives the web and the pin."

King Lear.

"I swear to thee     \*     \*     \*  
By the simplicity of Venus' doves,  
By that which knitteth souls and prospers loves  
And by that fire which burn'd the Carthage queen,  
When the false Trojan under sail was seen."

"Enough ; hold or cut bow-strings."

"And in the shape of Corin sat all day,  
Playing on pipes of corn, and versing love  
To amorous Phillida."

Midsummer Nights' Dream.

Prone is the purple pavis.

When the new Hohenstauffen dropped the mask,  
Flung John of Brienne's favour from his casque.  
The triple bearded Teuton come to life.

Sordello.





Senior English.

---

SECOND PAPER.

---

1. Quote one of these passages beginning :

- (1) "Thou think'st tis much that this contentious storm  
Invades us to the skin.

King Lear.

- (2) "That very time I saw, but thou could'st not  
Flying, &c."

- (3) "More strange than true ; I never may believe  
These antique fables, &c."

Midsummer Nights' Dream.

2. Write an Essay on either of the following subjects :

- (1) Browning's Poetry, especially Sordello.  
(2) King Lear.



## Junior French.

---

### FIRST PAPER.

---

#### I.

Translate :

"C'est juste, monsieur Richter, l'instruction fait la moitié de l'homme, et peut-être les trois quarts. Voilà pourquoi ces Républicains se battent jusqu'à la mort ; ils veulent que leurs fils reçoivent de l'instruction aussi bien que les nobles. C'est le manque d'instruction qui fait la mauvaise conduite et la misère, la misère fait les mauvaises tentations, et les mauvaises tentations amènent tous les vices. Le plus grand crime de ceux qui gouvernent dans ce bas monde, c'est de refuser l'instruction aux misérables, afin que leurs races nobles soient toujours au-dessus ; c'est comme s'ils crevaient les yeux des hommes, lorsqu'ils viennent au monde, pour profiter de leur travail. Dieu vengera ces fautes, monsieur Richter, car il est juste. Et si les Républicains versent leur sang, comme ils le disent, pour que cela n'arrive plus sur la terre, tous les hommes religieux qui croient à la vie éternelle doivent les approuver."

Ainsi parla Koffel, disant que si ses parents avaient pu le faire instruire, au lieu d'être un pauvre diable, il aurait peut-être fait honneur à Anstatt et serait devenu quelque chose d'utile. Chacun pensait comme lui, et plusieurs se disaient entre eux : "Que serions-nous si l'on nous avait instruits ? Est-ce que nous étions plus bêtes que les autres ? Non, le ciel donne à tous sa douce lumière et sa bonne rosée. Nous avons de bonnes intentions, nous voulions la justice ; mais on nous a laissés dans les ténèbres, par esprit de calcul et pour nous maintenir dans la bassesse. Ces gens-là pensent s'agrandir en empêchant les autres de croître, c'est abominable !"

Madame Thérèse.

1. *Parse se battent, veulent, crevaient, vengera, disent, croient, croître.*

2. *Voilà.* Translate : That is all. There he comes. You called me, here I am.

3. *Veulent.* Translate : What do you mean ? What is the meaning of that ? Everybody wishes him well. I have a grudge against him.

4. *Devenu.* Translate : What will become of me ? I don't know what has become of him.

## II.

### Translate :

— Une fois sur la montée de Birkenwall, Hans Aden, Frantz Sépel et moi nous vîmes enfin notre bataillon qui s'approchait à mi côte, le sac au dos, le fusil sur l'épaule, les officiers derrière les compagnies. Plus loin, sur le grand pont, défilaient les voitures. Tout cela s'avancait en sifflant, en causant, comme les soldats en route ; l'un s'arrêtait pour allumer sa pipe, l'autre donnait un coup d'épaule pour relever son sac ; on entendait des voix glapissantes, des éclats de rire, car les Français sont ainsi, quand ils marchent en troupe, il leur faut toujours des histoires et de joyeux propos pour entretenir leur bonne humeur.

Ibid.

1. *Parse vîmes, entendait, rire, faut, entretenir.*

2. *Fois.* Translate : Once a year. Twice a week. Don't all speak at once. Once does not make a habit.

3. *Rire.* Translate : I said it in jest. Is it in fun or in earnest. They laughed at him.

## III.

### Translate :

PAULINE.

Qui de vous deux aujourd'hui m'assassine ?  
Sont-ce tous deux ensemble, ou chacun à son tour ?  
Ne pourrai-je fléchir la nature ou l'amour ?  
Et n'obtiendrai-je rien d'un époux ni d'un père ?

FÉLIX.

Parlez à votre époux.

POLYEUCTE.

Vivez avec Sévère.

PAULINE.

Tigre, assassine-moi du moins sans m'outrager.

POLYEUCTE.

Mon amour, par pitié, cherche à vous soulager ;  
Il voit quelle douleur dans l'âme vous possède,  
Et sait qu'un autre amour en est le seul remède.  
Puisqu'un si grand mérite a pu vous enflammer,  
Sa présence toujours a droit de vous charmer :  
Vous l'aimiez, il vous aime, et sa gloire augmentée...

PAULINE.

Que t'ai-je fait, cruel, pour être ainsi traitée,  
Et pour me reprocher, au mépris de ma foi,  
Un amour si puissant que j'ai vaincu pour toi ?

Corneille, Polyeucte.

1. Parse *pourrai, obtiendrai, voit, sait, ai vaincu*.
2. *Tous deux*. Translate: We go to town every other day. He has treated both of us badly.
3. *Rien*. Translate: He gets angry about trifles. He is anything but a fool.
4. *Vivre*. Translate: He has no manners. I must teach him how to behave. Who goes there? We are on the watch for them.
5. Sketch briefly the plot of this play.





## Junior French.

---

### SECOND PAPER.

---

#### I.

1. Translate : A gold ring. The king of birds. A wine glass. A glass of wine.

2. Translate : Snow is white. This is my favourite walk. This table is too low. She is satisfied with her lot.

3. Translate : He is happier than a king. Caesar was not less brave than Alexander. He is as clever as his cousin. They are the wisest men in the assembly.

4. Translate : This is better wine than that. She speaks little. He writes well, but his brother writes better than he.

5. Translate : We were two hundred strong. America was discovered in the year one thousand four hundred and ninety-two. I received your letter on the fourth of March. William the Third succeeded James the Second.

6. Translate : With whom do you live ? The state in which I find myself. He often speaks of them. I have received his letter, I shall answer it. He is thinking of that.

7. Translate : Every science has its principles. You have no proof of it. It is the same man. What a man you are !

8. Translate : I am very glad to see you. I do it to oblige you. He has been very kind to me. He went towards the forest. He is ready to go. Do not sit too near the door.



## II.

### Translate into French :

Adam was determined to stay no longer ; no one wanted him, and no one would notice if he slipped away. As soon as he got out of doors, he began to walk at his habitual rapid pace, hurrying along without knowing why, busy with the painful thought that the memory of this day, so full of honour and promise to him, was poisoned for ever. Suddenly, when he was far on through the Chase, he stopped, startled by a flash of reviving hope. After all, he might be a fool, making a great misery out of a trifle. Hetty, fond of finery as she was, might have bought the thing herself. It looked too expensive for that—it looked like the things on white satin in the great jeweller's shop at Rosseter. But Adam had very imperfect notions of the value of such things, and he thought it could certainly not cost more than a guinea.

George Eliot, *Adam Bede*.

## III.

### Translate at sight :

Au bout de quelque temps, j'entendis un bruit sourd dans sa maison ; mais, comme je la croyais partie, je pensai que c'était un fagot mal appuyé contre la muraille, qui avait roulé à terre ; et je ne m'en inquiétai pas. Cependant le soir vint, puis la nuit ; et je ne voyais point reparaître ma voisine. Je voulus aller voir chez elle si elle n'y était pas entrée pour poser sa charge, avant de venir reprendre ses enfants. Je trouvai la porte ouverte, et j'entrai. O mon Dieu ! comme je fus frappée en voyant Madeleine étendue roide morte au pied d'une échelle ! Je demurai moi-même immobile et froide comme une pierre. Je ne savais ce que je devais faire. Enfin, après avoir cherché inutilement à la soulever, je courus chez le chirurgien, qui vint, lui tâta le poulx en hochant la tête, et envoya tout de suite chercher le bailli. Les gens de justice et le chirurgien examinèrent comment elle pouvait s'être tuée ; et on trouva qu'elle devait être morte sur le coup, ou que, n'ayant pu appeler pour avoir du secours, elle était expirée dans son évanouissement.

Arnaud Berquin.



## Senior French.

### FIRST PAPER.

#### I.

Translate :

A force d'aller, de venir, et de porter sa vue de tous côtés, il aperçoit, à une assez grande distance de l'avenue, une maison qui ressemble à la sienne comme deux gouttes d'eau. Il ne peut croire que ce la soit ; mais la curiosité le fait aller où elle est, et où il n'a jamais vu de maison. Plus il approche, plus il reconnaît que c'est la sienne. Pour s'assurer mieux de ce qui lui tourne la tête, il présente sa clef, elle ouvre ; il entre, il retrouve tout ce qu'il y avait laissé, et précisément dans la même place. Il est prêt à en pâmer, et il demeure convaincu que c'est un tour de sorcier. La journée ne fut pas bien avancée, que la risée du château et du village l'instruisit de la vérité du sortilège, et le mit en furie. Il veut plaider, il veut demander justice à l'intendant, et partout on s'en moque. Le Roi le sut, qui en rit aussi, et Charnacé eut son avenue libre. S'il n'avait jamais fait pis, il aurait conservé sa réputation et sa liberté.

Louis XIV.

1. Parse *croire, reconnaît, mit, rit.*

2. Translate :

Voilà une bonne aubaine.

Cet habit ne lui va pas.

Il a ouvert de grands yeux.

Il vient de sortir,

Il ne se sentait pas de joie.

3. Translate: They came to blows. If he happens to find that out, you are lost. They are as like as two peas. He became furious at the trick. Some laughed, others jeered at him.

4. Give an account of Saint Simon.

#### II.

Translate :

ALZIRE, *se jetant à genoux.*

Seigneur, j'embrasse vos genoux.

C'est à votre vertu que je rends cet hommage,

Le premier où le sort abaissa mon courage.

Vengez, seigneur, vengez sur ce cœur affligé  
L'honneur de votre fils par sa femme outragé.  
Mais à mes premiers nœuds mon âme était unie :  
Hélas ! peut-on deux fois se donner dans sa vie ?  
Zamore était à moi, Zamore eut mon amour :  
Zamore est vertueux ; vous lui devez le jour.  
Pardonnez. . Je succombe à ma douleur mortelle.

ALVAREZ.

Je conserve pour toi ma bonté paternelle.  
Je plains Zamore et toi ; je serai ton appui :  
Mais songe au nœud sacré qui t'attache aujourd'hui.  
Ne porte point l'horreur au sein de ma famille :  
Non, tu n'es plus à toi ; sois mon sang, sois ma fille :  
Gusman fut inhumain, je le sais, j'en frémiss ;  
Mais il est ton époux, il t'aime, il est mon fils :  
Son âme à la pitié se peut ouvrir encore.

ALZIRE.

Hélas ! que n'êtes-vous le père de Zamore !

Voltaire, Alzire.

1. Parse *rends, abaissa, était unie, devez, plains, sais, ouvrir.*

2. Translate : I pity him. I complained of them. They jeered at you. 'Think well of it.' I think of him every day.

3. State from what Latin cases the following words come : *sire, seigneur, fils, fil, fille, époux, père.*

4. Who are the historical models of Alvarez and Gusman ?

### III.

Translate :

D. SANCHE.

Obligé d'apporter à vos pieds cette épée. .

CHIMENE.

Quoi ! du sang de Rodrigue encor toute trempée !  
Perfide, oses tu bien te montrer à mes yeux,  
Après m'avoir ôté ce que j'aimais le mieux ?  
Éclate, mon amour, tu n'as plus rien à craindre ;  
Mon père est satisfait, cesse de te contraindre ;  
Un même coup a mis ma gloire en sûreté,  
Mon âme au désespoir, ma flamme en liberté.

D. SANCHE.

D'un esprit plus rassis. .

CHIMENE.

Tu me parles encore,  
Exécration d'un héros que j'adore !  
Va, tu l'as pris en traître ; un guerrier si vaillant  
N'eût jamais succombé sous un tel assaillant.  
N'espère rien de moi, tu ne m'as point servi ;  
En croyant me venger, tu m'as ôté la vie.

D. SANCHE.

Étrange impression, qui, loin de m'écouter. .

CHIMENE.

Veux-tu que de sa mort je t'écoute vanter,  
Que j'entende à loisir avec quelle insolence  
Tu peindras son malheur, mon crime, et ta vaillance ?

Corneille, *Le Cid*.

1. Parse *craindre, rassis, as pris, entende, peindras*.
2. From what Latin words are the following derived :  
*pieds, épée, sang, encore, yeux, rien, sûreté, âme, tel, venger, étrange, malheur ?*
3. Translate : Bring me your books. They brought the stranger to church. After seeing me, he went away. While listening to you, he was looking at the window. Expect nothing at all from my mercy. He is as modest as he is brave.
4. Give a sketch of the plot of the *Cid*.





## Senior French.

---

### SECOND PAPER.

---

#### I.

1. Account for the rapid extension of Latin among the Gauls.

2. Show that French comes from Popular Latin.

3. State the laws observed by French words coming from the Latin language.

4. Give a list of words coming from the Latin Nominative.

5. Mention the Dialects of the Langue d'Oïl and account for the predominance of the Isle de France Dialect.

#### II.

Translate into French :

Once, in some far oriental kingdom, when the Sultan of all the land, with his princes, ladies, and chief omrahs, were flying their falcons, a hawk suddenly flew at a majestic eagle ; and, killed the eagle on the spot. Amazement seized the Sultan at the unequal contest, and burning admiration for its unparalleled result. He commanded that the hawk should be brought before him ; he caressed the bird with enthusiasm ; and he ordered that, for the commemoration of his matchless courage, a diadem of gold and rubies should be solemnly placed on the hawk's head ; but then that, immediately after this solemn coronation, the bird should be led off to execution, as the most valiant indeed of traitors, but not the less a traitor, as having dared to rise rebelliously against his liege lord and anointed sovereign, the eagle.

De Quincey.

#### III.

Translate at sight :

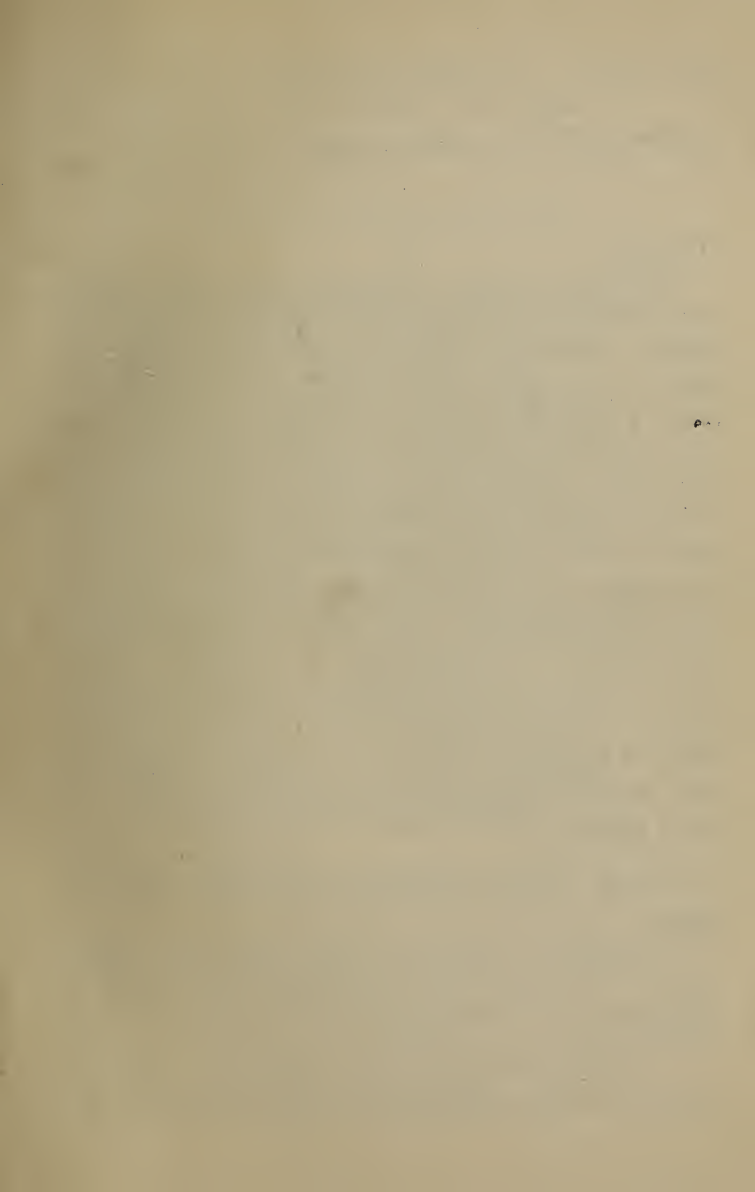
Par une prévision du comité de défense, un câble sous-marin a été établi pour communiquer vers la haute et la basse Seine, avec



Joigny et Rouen. Pendant quelques jours encore, bien peu de jours, des dépêches peuvent être échangées. Bientôt le câble est découvert et rompu par l'ennemi, le courant électrique cesse d'entretenir une intelligence permanente et suivie entre l'intérieur et l'extérieur. Les messagers les plus hardis ou les plus habiles ne peuvent plus ni entrer ni sortir, c'est tout au plus s'il en passera quelques-uns pendant près de cinq mois. Cours d'eau, chemins de fer, routes, sentiers, tout se ferme brusquement. Que va-t-il rester ? Des ballons allant porter à la province des nouvelles du grand prisonnier qui s'appelle Paris, des pigeons revenant à tire-d'aile porter à Paris de vagues et incertaines nouvelles de la France.

Revue des Deux Mondes.





## Junior German.

---

### FIRST PAPER.

---

#### I.

Translate :

Sie nennen den Platz den Freistuhl. Vermuthlich hat also dort vor Alters das Behmgericht im Schrecken der Nacht seine Verdicte ausgebrütet. Als ich meinem Schulzen ihn lobte, giug eine Freundlichkeit über sein Gesicht. Er versetzte Nichts, nahm mich aber nach einiger Zeit ohne Veranlassung mit auf eine Kammer im obern Stock des Hauses, öffnete dort einen eisenbeschlagenen Koffer und zeigte mir in demselben ein altes rostiges Schwert liegend. Mit Feierlichkeit sagte er: Das ist eine große Rarität; es ist das Schwert Caroli Magni, seit tausend und mehreren Jahren beim Oberhofe aufbewahrt, und noch in voller Kraft und Gewalt. Ohne weitere Erklärungen hinzuzufügen, klappte er den Deckel wieder zu. Ich hätte um Alles seinen Glauben an dieses Heiligthum nicht zerstören mögen, obgleich mich mein flüchtiger Blick lehrte, daß der Flamberg kaum ein paar hundert Jahre alt sein könne. Er zeigte mir aber ein förmliches Attest über die Echtheit der Waffe, von einem gefälligen Provinzialgelehrten ihm ausgestellt.

Immermann, Der Oberhof.

1. Parse nennen, giug, nahm, zeigte, liegend, könne, ausgestellt.

2. Translate: This is the place where the assembly meets. The awful tribunal pronounces its sentence in the night-time. The judge is clad in black and a veil is on his face.

3. Translate: You have not showed me your old sword. I must acknowledge the genuineness of this

relic. It is a miracle of art and power. It must have been the sword of a hero of the olden time.

4. *Behmgericht*. What was the aim of this tribunal, and when did it flourish?

5. Give a short account of *Immermann*.

## II.

Translate ·

Bertha. Wo wär' die sel'ge Insel aufzufinden,  
Wenn sie nicht hier ist in der Unschuld Land?  
Hier, wo die alte Treue heimisch wohnt,  
Wo sich die Falschheit noch nicht hingefunden,  
Da trübt kein Neid die Quelle unsers Glücks,  
Und ewig hell entfliehen uns die Stunden.  
—Da seh' ich Dich im ächten Männerwert,  
Den Ersten von den Freien und den Gleichen,  
Mit reiner, freier Huldigung verehrt,  
Groß, wie ein König wirkt in seinen Reichen.

Rudenz. Da seh' ich Dich, die Krone aller Frauen,  
In weiblich reizender Geschäftigkeit,  
In meinem Haus den Himmel mir erbauen  
Und, wie der Frühling seine Blumen streut,  
Mit schöner Anmut mir das Leben schmücken  
Und Alles rings beleben und beglücken!

Schiller, *Wilhelm Tell*.

1. Parse wäre, wohnt, hingefunden, entfliehen, seh', erbauen.

2. Translate : Happiness is not to be found on earth. This is the land of true liberty. The king wears a golden crown. The people honour a wise king.

2. Translate : The crown of beauty belongs to woman. The power of the sun is greatest in summer. The sky is decked with stars, as the earth with flowers.

4. What Cantons were engaged in this revolt?





## Junior German.

---

### SECOND PAPER.

---

#### I.

1. Translate: The boy's room. A student's book. In the Emperor's palace. On eagles' wings.

2. Translate: He is standing under the tree. They went through the forest. Set the chair in front of the window. They went home yesterday.

3. Translate: Spring has come. The Crown Prince has three castles. The streets of Berlin are very beautiful.

4. Translate: Have you seen my books? Have you been at the theatre yet? I could not go without permission from my parents. The pupil has not read his letters.

5. Translate: The higher the hill, the deeper the valley. The brave soldiers were rewarded by the Emperor. The Count has helped many poor students. They must have broken their promise.

#### II.

Translate into German:

Troy was a famous city. When Priam was king, the Greeks came to the city. They besieged it ten years without success. They could not take it by force, because its walls were high and broad; but at last it was taken by the stratagem of a wooden horse. This horse, which was filled with armed men, was admitted into the city as a gift to Minerva. In the middle of the night, when all were asleep, the armed men came out of the belly of the horse and burned the city.



### III.

Translate at sight :

Am Abend eines heißen Sommertages saßen wir im Garten und sprachen von den Ereignissen des Krieges. „Es ist doch was Schreckliches um so einen Krieg!“ sagte Frau M. „Wie viele Mütter verlieren da ihre Söhne und wie viele Frauen ihre Männer. Und von vielen weiß man gar nicht, ob sie in der Schlacht gefallen sind. Sie sind bloß verschwunden und man weiß nicht, was aus ihnen geworden ist. So ist es mir mit meinem guten Bruder gegangen. Er zog vor sechs Jahren in den Krieg und ist nicht zurückgekehrt. Sein Name war nicht in der Liste der Getödteten oder Gefangenen und—“ „Hier ist er,“ rief eine tiefe Stimme, indem ein Mann mit einem starken, schwarzen Barte hinter einem Baum hervortrat. Frau M. stieß einen lauten Schrei aus und fiel in die Arme des Fremden, der wirklich ihr Bruder war. Nachdem er einige Erfrischung zu sich genommen, erzählte er uns die Geschichte seiner merkwürdigen Rettung.





## Senior German.

### FIRST PAPER.

#### I.

Translate :

Denken die Himmlischen  
Einem der Erdgebornen  
Viele Verwirrungen zu,  
Und bereiten sie ihm  
Von der Freude zu Schmerzen  
Und von Schmerzen zur Freude  
Tief erschütternden Uebergang :  
Dann erziehen sie ihm  
In der Nähe der Stadt,  
Oder am fernen Gestade,  
Daß in Stunden der Noth  
Auch die Hülfe bereit sei,  
Einen ruhigen Freund.  
O segnet, Götter, unsern Pylades  
Und was er immer unternehmen mag !  
Er ist der Arm des Jünglings in der Schlacht,  
Des Greises leuchtend Aug' in der Versammlung ;  
Denn seine Seel' ist stille ; sie bewahrt  
Der Ruhe heil'ges, unerschöpftes Gut,  
Und den Umhergetriebnen reichet er  
Aus ihren Tiefen Rath und Hülfe.

Goethe, Iphigenie auf Tauris.

1. Parse denken, erziehen, segnet, bewahrt, reichet.

2. Translate : The gods bless the enterprises of the wise. The sons of earth suffer many sorrows. The counsel of a firm friend will help us in the hour of need.

3. Translate: His strong arm will strike down the enemy in battle. Help is to be found in the counsel of sages. The hero had the flashing eyes of youth.

4. Sketch briefly the plot of this drama.

## II.

Translate :

Zwei verdienstvolle Könige, an persönlichem Ruhm einander zwar bei weitem nicht gleich, aber gleich an Macht und an Ruhmbegierde, setzten damals den europäischen Norden in Achtung. Unter der langen und thätigen Regierung Christians des Vierten wuchs Dänemark zu einer bedeutenden Macht empor. Die persönlichen Eigenschaften dieses Fürsten, eine vortreffliche Marine, auserlesene Truppen, wohlbestellte Finanzen und staatskluge Bündnisse vereinigten sich, diesem Staate einen blühenden Wohlstand von innen und Ansehen von außen zu verschaffen. Schweden hatte Gustav Wasa aus der Knechtschaft gerissen, durch eine weise Gesetzgebung umgestaltet und den neugeschaffenen Staat zuerst an den Tag der Weltgeschichte hervorgezogen. Was dieser große Prinz nur im rohen Grundrisse andeutete, wurde durch seinen größern Enkel, Gustav Adolph, vollendet.

Schiller, Thirty-Years-War.

1. Parse setzten, wuchs, verschaffen, gerissen, hervorgezogen, andeutete, wurde vollendet.

2. Translate: These kings were rivals in war. Strong armies fought with each other in this bloody battle. This new state soon rose from slavery to power.

3. Translate: A happy peace ended this terrible conflict. The two nations soon became friendly. Wise laws made the people contented.

4. What was the political condition of Germany at the outbreak of the Thirty-Years-War?





## Senior German.

---

### SECOND PAPER.

---

#### I.

1. Translate: The servant was richly rewarded. This letter is beautifully written. Where are you going? They live up stairs.

2. Translate: He threw the sword into the sea. They rode across the new bridge. They cut their way through the enemy. He swam across the swollen river.

3. Translate: The gates of the city are shut. The merchant offered me a hundred dollars for my horse. The books lay on the table. Many were expected, but few have arrived.

4. Translate: The boy came running up. He said this, laughing all the time. Seeing our cavalry, the enemy retreated. Being asked how this happened, he at once explained.

5. When he found the door locked, he was angry. Tell me when you will come. Not an hour passes, but I see him. If he is not at home, wait till he returns.

#### II.

Translate into German:

At a supper given by the grand cardinal of Spain to Columbus, is said to have occurred the well known anecdote of the egg. A shallow courtier present, impatient of the honors paid to Columbus, and jealous of him as a foreigner, abruptly asked him whether he thought that in case he had not discovered the Indies, there were no other men who would be capable of the enterprise. To this Columbus made no immediate reply, but took an egg and invited the company to make it stand upon one end. Every one attempted it, but in



vain ; whereupon he struck it upon the table, so as to break the end, and left it standing on the broken part : illustrating in this simple manner, that, when he had once shown the way to the new world, nothing was easier than to follow it.

### III.

Translate at sight :

Schwer aber war der Sieg errungen, denn von den Engländern wurden nicht weniger als neun höhere Offiziere getötet und eben so viele verwundet, während von gemeinen Soldaten fünfundsechzig getötet und fünfundachtzig verwundet wurden. Dem General Stewart wurde ein Pferd unterm Leibe erschossen. Unter den gefallenen englischen Offizieren befindet sich auch der durch seinen Ritt nach Rhiwa und andere kühne Reiterstücke bekannte Oberst Burnaby, einer der populärsten Offiziere der britischen Armee, dessen Mut und außerordentliche Körperkraft sprichwörtlich war, der schon in allen Ländern gewesen war und nun endlich in der Wüste, das Schwert in Hand, einen echten Soldatentod fand. Der Sieg der Engländer wird von Lord Wolseley als ein vollständiger bezeichnet; der Feind floh in die Gebirge und die Engländer besetzten die Brunnen, wo sie sich wohl einige Tage von ihren Mühen ausruhen werden.



---

---

*Honour Papers.*

ARTS.

---

---





## Honour Classics.

---

### *Greek Books.*

- (a) Thucydides, B. i., ch. 120.  
B. ii., ch. 90.  
B. iii., ch. 37.  
B. iv., ch. 73.  
B. vii., ch. 47.
- (b) Herodotus, B. ix., ch. 57.
- (c) Demosthenes, De Corona, §§ 138–139 ; 296.
- (d) Plato, Republic, p. 358 E–359 B ; 437 D–E.
- (e) Aristotle, Ethics, B. ii., ch. 3, §§ 3–5.  
B. x., ch. 3, §§ 1–3.
- (f) Homer, Iliad, B. vi., 166–177.  
B. xviii., 497–508.  
B. xxii., 487–498.  
Odyssey, B. vi., 99–108.  
B. xii., 245–255.  
B. xxi., 344–355.
- (g) Sophocles, Philoctetes, 254–267.  
Antigone, 781–805.  
Ajax, 693–716.  
Electra, 892–912.  
Oed. Rex, 771–793.
- (h) Aeschylus, Agamemnon, 224–246 ; 1321–1330.  
Prometheus, 645–668.
- (i) Euripides, Medea, 824–865.
- (j) Aristophanes, Clouds, 743–764.
- (k) Pindar, Isthmia, II., 1–24 (to ἐργον).

## Latin.

---

*N.B.—In translating, attention must be paid to both style and accuracy.*

Translate : (a) Horace, *Satires*, B. I., 6, 85–99.

(b) Id., B. II., 2, 52–64.

(c) Id., *Odes*, B. II., 14.

- (d) Eloquium ac famam Demosthenis aut Ciceronis  
Incipit optare et totis Quinquatribus optat,  
Quisquis adhuc uno parcam colit asse Minervam,  
Quem sequitur custos angustae vernula capsae.  
Eloquio sed uterque perit orator ; utrumque  
Largus et exundans leto dedit ingenii fons.  
Ingenio manus est et cervix caesa ; nec umquam  
Sanguine causidici maduerunt rostra pusilli.  
O fortunatam natam me consule Romam—  
Antoni gladios potuit contemnere, si sic  
Omnia dixisset. Ridenda poemata malo,  
Quam te conspicuae, divina Philippica, famae,  
Volveris a prima quae proxima. Saevus et illum  
Exitus eripuit, quem mirabantur Athenae  
Torrentem et pleni moderantem frena theatri.  
Dis ille adversis genitus fatoque sinistro,  
Quem pater ardentis massae fuligine lippus  
A carbone et forcipibus gladiosque parante  
Incude et luteo Vulcano ad rhetora misit.

Juvenal, *Satire X*.

1. Derive the term *satira*. Discuss Quintilian's dictum, *Satira quidem tota nostra est*.
2. Compare Horace and Juvenal as Satirists.
3. Write brief notes on extract (c) and give a scale of the metre.





## Latin.

---

*N.B.—In translating, attention must be paid to both style and accuracy.*

Translate: (a) Tacitus, *Annals*, B. I., ch. 2.

(b) Id., *An.*, B. I., ch. 69.

(c) Livy, B. XXI., ch. 58.

1. Write a brief commentary on extract (a).

2. Illustrate any peculiarities in the syntax of Tacitus.

3. "Rome was unquestionably more productive of great prose-writers than of great poets." Discuss.



## Latin.

---

*N.B.—In translating, attention must be paid to both style and accuracy.*

Translate : (a) Cicero, *De Oratore*, B. II, §§ 62, 63 ;  
269–271.

(b) Id., *De Natura Deorum*, B. II.,  
§§ 76, 77.

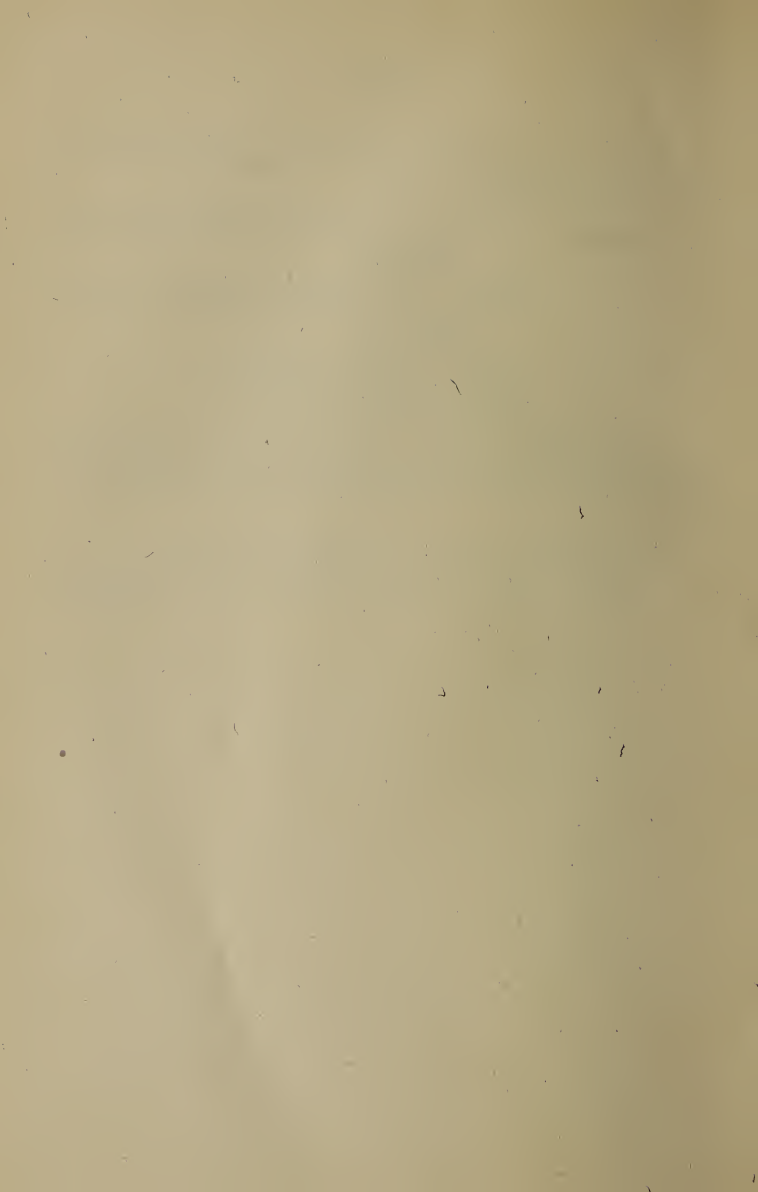
(c) Id., *Philippic* I, §§ 1, 2.

(d) Id., *Philippic* II., ch. 16.

1. Give some account of the second book of the *De Oratore*, or of the second book of the *De Natura Deorum*.

2. Give some account of Roman currency.

3. Sketch Cicero's career from the Ides of March, 44.





## Latin.

*N.B.—In translating, attention must be paid to both style and accuracy.*

Translate :

(a) SV. Huic ego die nomen Trinummo facio : nam ego operam  
meam

Tribus nummis hodie locaui ad artis nugatorias.

Aduenio ex Seleucia, Macedonia, Asia atque Arabia,

Quas ego neque oculis neque pedibus umquam usurpauis meis.

Viden egestas quid negoti dat homini misero male ?

Quia ego nunc subigor trium nummum causa ut has epistulas

Dicam ab eo homine me accepisse, quem ego qui sit homo-  
nescio

Neque noui neque natus necne is fuerit id solide scio,

CH. Pol hic quidem fungino generest : capite se totum tegit.

Illurica facies uidetur hominis : eo ornatu aduenit.

SV. Ille qui me conduxit, ubi conduxit, abduxit domum :

Quae uoluit mihi dixit, docuit et praemonstrauit prius,

Quo modo quicque agerem. nunc adeo siquid ego addidero  
amplius,

Eo conductor melius de me nugas conciliauerit.

Ille uti me exornauit, ita sum ornatus : argentum hoc facit.

Ipse ornamenta a chorago haec sumpsit suo periculo :

Nunc ego si potero ornamentis hominem circumducere,

Dabo operam ut me ipsum plane esse sucophantam sentiat.

Plautus, *Trinummus*.

(b) PH. Itane patris ais aduentum ueritum hinc ablisce ? GE.  
Admodum.

PH. Phanium relictam solam ? GE. Sic. PH. Et iratum  
senem ?

GE. Oppido. PH. Ad te summa solum, Phormio, rerum redit :  
Tute hoc intristi : tibi omnest exedendum : adcingere.

GE. Obsecro te. PH. si rogabit.. GE. In te spes est. PH.  
eccere,

Quid si reddet ? GE. Tu impulisti. PH. sic opinor. PH.  
Subueni.

PH. Cedo senem : iam instructa sunt mi in corde consilia  
omnia.

GE. Quid ages ? PH. Quid uis, nisi uti maneat Phanium  
atque ex crimine hoc

Antiphonem eripiam atque in me omnem iram deriuem  
senis ?

GE. O uir fortis atque amicu's, uerum hoc saepe, Phormio,  
Vereor, ne istaec fortitudo in neruom erumpat denique.

PH. Ah,

(d) 'Iam iam non domus accipiet te laeta, neque uxor  
 optima nec dulces occurrent oscula nati  
 praeripere et tacita pectus dulcedine tangent,  
 non poteris factis florentibus esse, tuisque  
 praesidium. misero misere' aiunt 'omnia ademit  
 una dies infesta tibi tot praemia vitae.'  
 illud in his rebus non addunt, 'nec tibi earum  
 iam desiderium rerum super insidet una,'  
 quod bene si videant animo dictisque sequantur,  
 dissoluant animi magno se angore metuque.  
 'tu quidem ut es leto sopitus, sic eris aevi  
 quod super est cunctis privato' doloribus aegris :  
 at nos horrifico cinefactum te prope busto  
 insatiabiliter deflevinus, aeternumque  
 nulla dies nobis moerorem e pectore demet.'  
 illud ab hoc igitur quaerendum est, quid sit amari  
 tanto opere, ad somnum si res redit atque quietem,  
 cur quisquam aeterno possit tabescere luctu.

Hoc etiam faciunt ubi discubere tenentque  
 pocula saepe homines et inumbrant ora coronis,  
 ex animo ut dicant 'brevis hic est fructus homullis :  
 iam fuerit, neque post umquam revocare licebit.'

Lucretius, *De Rerum Natura*.

1. State the context in which each of the above passages occurs.
2. Give some account of the aim and plan of the *De Rerum Natura*.
3. Quote from English or classical literature to illustrate extract (d).







## Latin.

---

*N.B.—In translating, attention must be paid to both style and accuracy.*

Translate :

- (a) Atque ea per campos aequo dum Marte geruntur,  
promissi dea facta potens, ubi sanguine bellum  
imbuit et primae commisit funera pugnae,  
deserit Hesperiam et caeli convexa per auras....  
Iunonem victrix adfatur voce superba :  
'en, perfecta tibi bello discordia tristi :  
dic in amicitiam coeant et foedera iungant.  
quando quidem Ausonio respersi sanguine Teucros,  
hoc etiam his addam, tua si mihi certa voluntas :  
finitimas in bella feram rumoribus urbes  
accendamque animos insani Martis amore,  
undique ut auxilio veniant ; spargam arma per agros.'

Virgil, *Aeneid*, B. VII.

- (b) Primus ego, invisum quem tu tibi fingis (et esse  
nil moror), en supplex venio. miserere tuorum,  
pone animo et pulsus abi. sat funera fusi  
vidimus ingentes et desolavimus agros.  
aut si fama movet, si tantum pectore robur  
concipis et si adeo dotalis regia cordist  
aude atque adversum fidens fer pectus in hostem.  
scilicet ut Turno contingat regia coniunx,  
nos animae viles, inhumata infletaque turba,  
sternamur campis. etiam tu, siqua tibi vis,  
si patrii quid Martis habes, illum aspice contra,  
qui vocat.

Id., B. XI.

- (c) 'Hoc erat, hoc, votis' inquit 'quod saepe petivi.  
accipio agnoscoque deos ; me, me duce ferrum  
corripite, o miseri, quos improbus advena bello  
territat invalidas ut aves et litora vestra  
vi populat : petet ille fugam penitusque profundo  
vela dabit. vos unanimi densete catervas  
et regem vobis pugna defendite raptum.'  
dixit et adversos telum contorsit in hostis  
procurrens : sonitum dat stridula cornus et auras  
certa secatur. simul hoc, simul ingens clamor et omnes  
turbati cunei calefactaque corda tumultu.

Id., B. XII.

Non itast : factumst periculum, iam pedum uisast uia.  
Quot me censes homines iam deuerberasse usque ad  
necem,

Hospites, tum ciuis ? quo magis noui, tanto saepius.  
Cedo dum, enumquam iniuriarum audisti mihi scriptam  
dicam ?

GE. Qui istuc ? PH. Quia non rete accipitri tennitur neque  
miluo.

Qui male faciunt nobis : illis qui nil faciunt tennitur,  
Quia enim in illis fructus est, in illis opera luditur.  
Aliis aliundest periculum, unde aliquid abradi potest :  
Mihī sciunt nil esse. dices 'ducent damnatum domum' :  
Alere nolunt hominem edacem, et sapiunt mea sententia.  
Pro maleficio si beneficium summum nolunt reddere.

Terence, *Phormio*.

1. State the context in which each of the above passages occurs.
2. Sketch the history of Roman comedy.
3. Compare Plautus and Terence.





Columbus was fully sensible of his perilous situation. He had observed with great uneasiness the fatal operation of ignorance and of fear in producing disaffection among his crew, and saw that it was now ready to burst out into open mutiny. He retained, however, perfect presence of mind. He affected to seem ignorant of their machinations. Notwithstanding the agitation and solicitude of his own mind he appeared with a cheerful countenance, like a man satisfied with the progress he had made, and confident of success. Sometimes he employed all the arts of insinuation to soothe his men. Sometimes he endeavoured to work upon their ambition or avarice by magnificent descriptions of the fame and wealth which they were about to acquire. On other occasions he assumed a tone of authority, and threatened them with vengeance from their sovereign, if, by their dastardly behaviour they should defeat this noble effort to promote the glory of God, and to exalt the Spanish name above that of every other nation. Even with seditious sailors the words of a man whom they had been accustomed to reverence were weighty and persuasive, and not only restrained them from those violent excesses which they meditated, but prevailed with them to accompany their admiral for some time longer.—*Robertson.*

### *For Greek Prose.*

---

(a) And he went round and talked to them all in order, and asked them why they had been condemned, so as to be put in prison. And one said that his judges had been bribed to condemn him falsely; and another that the witness had given false evidence; and another pretended that he resembled in face the man who had committed the crime, being himself innocent. But all professed to have done nothing worthy of paying so great a penalty. At last Darius saw a man sitting alone, and with a gloomy aspect, and he asked him why he was in prison. He replied that he had stolen some gold. 'Get out of the place then' said the king, as though indignant, 'for is it not a shame that this housebreaker should live with such honest men?' So he was let go, and the others remained in prison.

(b) You may make the change tedious; you may make it violent; you may—God in His mercy forbid!—you may make it bloody; but avert it you cannot. Agitations of the public mind, so deep and so long continued as those which we have witnessed, do not end in nothing. In peace or in convulsion, by the law, or in spite of the law, through the Parliament, or over the Parliament, Reform must be carried. Therefore be content to guide that movement which you cannot stop. Fling wide the gates to that force which else will enter through the breach.—*Macaulay*.

---

### *For Unseen Translation.*

(a) Livy, B. V., ch. 43.

(b) Thucydides, B. VI., ch. 27, 28.







## Questions on Greek Books.

---

1. "With Pindar style is a passion." Explain.
2. Sketch the rise of Greek tragedy to the time of Aeschylus.
3. Write a short notice of the *Agamemnon* and compare it with any play of Shakspeare you know.
4. Give some account of Athenian stage machinery.
5. Account for the position of Aristophanes towards Socrates.
6. Sketch the history of prose writing in Greece to the time of Thucydides.
7. What circumstances led to the banishment of Thucydides?
8. What circumstances were favorable and what unfavorable to Herodotus as a writer of history?
9. Give some account of the constitution of (a) Athens, (b) Sparta.
10. Sketch the events that led to the battle of Chaeronea.
11. What answer does Socrates give in the *Republic* to the question, *What is justice?*
12. How does Aristotle show that pleasure is (1) a good, (2) not the highest good?

## Grammar and Philology.

---

1. Parse *venierunt*, *fore*, *frugi*, *referta*, *morata*, *sublata*, and illustrate the syntax of *refert*, *piget*, *adimo*, *non quo*, *ne dicam*.

2. Give an example of *subjective genitive*, *objective genitive*, *genitive of price*, *ablative of quality*, *locative*.

3. Illustrate the use of *quis*, *quisquam* and *quivis*.

4. Write a paper on the syntax of *se*.

5. Give examples from your books of the true potential use of the subjunctive.

6. Give rules for the use of the article (1) in Homer, (2) in Attic Greek.

7. Write a note on the use of *ἄν*.

8. Illustrate the use of *μή οὐ* and of *οὐ μή*.

9. What peculiarities in Homeric syntax?

10. Give forms peculiar to the Ionic dialect.

11. "The tendency of language is from synthesis to analysis." Explain.

12. Explain and illustrate the terms *weak aorist*, *strong aorist*, *dynamic change*, *phonetic change*.

13. Write an article on the *digamma*.

14. Analyse the person-endings of the Greek and Latin verb.

15. Analyse the Greek and Latin forms for the comparison of adjectives.

16. Analyse *facillime*, *dedisse*, *essent*, *audiremus*; *ἐβουλεύσαντο*, *ἐπράχθη*, *ἴσασι*, *μενώ*.



## Modern Synthetic Geometry.

---

1. If  $O.ABC$  is a pencil of three and  $P$  any point

$$a \sin \widehat{BC} + b \sin \widehat{CA} + c \sin \widehat{AB} = 0$$

where  $a$  is the perpendicular from  $P$  to  $OA$ , and

$\widehat{BC}$  is the angle between  $OB$  and  $OC$ , &c.

2. Show that the mean centre of the vertices of a  $\Delta$  for unit multiples is the centroid, and for multiples proportional to the opposite sides it is the centre of the incircle.

3. Equilateral  $\Delta$ s  $ABC'$ ,  $BCA'$ ,  $CAB$  are described outwards upon the sides  $AB$ ,  $BC$  and  $CA$  of any  $\Delta$

Then  $AA'$ ,  $BB'$ ,  $CC'$  are concurrent.

4. Any two circles cut their common centre-line and any circle which cuts them orthogonally in two sets of points which connect concurrently upon the latter circle.

5. State and prove Salmon's theorem with respect to two points and their polars.

6. In general a system of coaxal circles inverts into a coaxal system of the same species.

7. If  $\{ABCD\}$  denote the anharmonic ratio of the division of the segment  $AB$  by  $CD$ , show that when its value is  $+1$   $C$  and  $D$  coincide, and when it is  $-1$  the ratio is harmonic.

8. Examine the harmonic properties of a complete quadrangle.

9. Explain what is meant by the double points in a double Homographic system; show how to determine them, and give any example of their application.





## Conics.

---

1. In the transformation from one system of oblique axes to another,

$$\frac{a+b-2h \cos \omega}{\sin^2 \omega} = \frac{a'+b'-2h' \cos \omega'}{\sin^2 \omega'}$$

and 
$$\frac{ab-h^2}{\sin^2 \omega} = \frac{a'b'-h'^2}{\sin^2 \omega'}$$

2. The conics  $ax^2+by^2+2hxy+2gx=0$  and  $a_1x^2+b_1y^2+2h_1xy+2g_1x=0$  have the same origin and axes.

Then they have contact of the second order when  $bg_1=b_1g$ , and double contact when

$$(ag_1-a_1g)(bg_1-b_1g)=(hg_1-h_1g)^2$$

3. Two parabolas can be drawn through the same four points, and any conic through these points has a pair of conjugate diameters parallel to the axes of the parabolas.

4. Explain the system of trilinear coördinates, and its relation to the Cartesian system.

$a\alpha+b\beta+c\gamma$  and  $\alpha \sin A + \beta \sin B + \gamma \sin C$  are both constants; find their values.

5. Determine the coördinates of the point where the lines  $la+m\beta+n\gamma=0$  and  $l'a+m'\beta+n'\gamma=0$  meet; and thence show that  $\alpha \sin A + \beta \sin B - \gamma \sin C = 0$  and  $\gamma = 0$  are parallel.

6. Interpret the equations  $l\beta\gamma+m\gamma\alpha+n\alpha\beta=0$   
 $l^2\alpha^2+m^2\beta^2-n^2\gamma^2=0 \dots \alpha\beta=k\gamma^2.$

If  $A, B, C, D$  be four fixed points, and  $P$  a variable point on a circle,  $O\{ABCD\}$  is constant.



7. Any line can be projected to infinity, and at the same time any angle into a given angle.

Prove Brianchon's theorem for any conic by projecting the conic into a circle.

8. If two  $\triangle$ s are self conjugate with respect to the same conic, their vertices lie on a conic and their six sides envelope a conic.

9. The polar reciprocal of a conic is a conic.





## Differential Calculus.

---

1. Prove the fundamental forms, where  $p=f(x)$ .

$$(1) \quad \frac{d}{dx}(p^n) = np^{n-1} \frac{dp}{dx}. \quad (2) \quad \frac{d}{dx}(a^p) = a^p \frac{dp}{dx} \cdot \log a.$$

$$(3) \quad \frac{d}{dx}(\sin p) = \frac{dp}{dx} \cos p.$$

2. Obtain the diff. coeff. in the following :—

$$(1) \quad u = \left\{ \frac{x}{1 + \sqrt{1-x^2}} \right\}^n,$$

$$(2) \quad u = l(x + \sqrt{x^2 - a^2}) + \sec^{-1} \frac{x}{a}.$$

$$\text{If } u = x + \frac{1}{2} \cdot \frac{x^3}{3} + \frac{1}{2} \cdot \frac{3}{4} \cdot \frac{x^5}{5} + \frac{1}{2} \cdot \frac{3}{4} \cdot \frac{5}{6} \cdot \frac{x^7}{7} + \dots$$

find the generating function of  $\frac{du}{dx}$ .

$$3. \text{ If } u = \sin mx, \text{ then } \frac{d^nu}{dx^n} = m^n \sin \left( mx + \frac{n\pi}{2} \right).$$

4. If  $r=f(\theta)$  be the equation to a curve show that  $\tan \varphi = r \frac{d\theta}{dr}$ , where  $\varphi$  is the angle between the tangent and the radius vector.

When the focus of an ellipse is taken as pole determine the least value of  $\varphi$  and the corresponding value of  $\theta$ .

5.  $P$  moves in a circle whose centre is  $O$ , and  $Q$  is any point. Compare the angular velocity of  $QP$  with that of  $OP$ , and show that when  $Q$  is on the circle the ratio of the velocities is constant.

$$6. \text{ If } y = e^{a \sin^{-1} x}, \text{ then } (1-x^2) \frac{d^2y}{dx^2} - x \cdot \frac{dy}{dx} = a^2 y.$$

Show this and thence obtain the development,

$$y = 1 + ax + \frac{a^2}{2!}x^2 + \frac{a(a^2+1^2)}{3!}x^3 + \frac{a^2(a^2+2^2)}{4!}x^4 + \dots$$

7. If  $u = a + x \sin u$ , develop  $u$  in ascending powers of  $x$  to the term containing  $x^3$ .

8. Assuming that

$$\frac{x}{2} \cdot \frac{e^x + 1}{e^x - 1} = 1 + \frac{B_1}{2!}x^2 - \frac{B_2}{4!}x^4 + \frac{B_3}{6!}x^6 - + \dots$$

develop  $\cot \theta$  in the Bernoullian numbers,  $B_1, B_2$ , &c., and if  $S_r = \frac{1}{1^r} + \frac{1}{2^r} + \frac{1}{1^r} + \dots$  ad. inf.

show that

$$S_{2n} = \frac{(2\pi)^{2n}}{2(2n)!} \cdot B_n.$$

9. Give the relations existing between a curve, its first pedal, its inverse and its polar reciprocal.

Find the first pedal of  $y^2 = 2ax - x^2$ .

10. When two curves have contact of an even order they intersect, and when of an odd order they do not intersect.

The circle  $\left(x - \frac{3a}{4}\right)^2 + \left(y - \frac{3a}{4}\right)^2 = \frac{a^2}{2}$  and the curve  $\sqrt{x} + \sqrt{y} = \sqrt{a}$  have contact of the third order at the point  $x = y = \frac{a}{4}$ .

11. The envelope of the line which makes the sum of the intercepts upon the axes constant ( $c$ ) is a Parabola whose lat. rect. is  $c\sqrt{2}$  and whose vertex is at the point  $x = y = \frac{1}{4}c$ .

12. Develop the relation  $a = \frac{d^2r}{dt^2} - r \left(\frac{d\theta}{dt}\right)^2$  for the acceleration along the radius vector.





## Integral Calculus.

---

1. Find values of  $\int \frac{1}{x} \sqrt{\frac{x+a}{x-a}} dx$ , and  $\int \frac{d\theta}{\cos^6 \theta}$ .

2. Explain the principle of integration by parts and apply it to find  $\int e^x x^4 dx$  and  $\int e^{ax} \sin^2 x dx$ .

3. What is the Geometric meaning of taking an integral between limits?

The limits of an integral are  $\pm \sin^{-1} \frac{a}{d}$  and  $\theta$

is the variable. Find the limits when  $d \sin \theta = a \sin \varphi$  and  $\varphi$  is made the variable.

4. A variable plane figure whose area,  $X$ , is a function of its distance from the origin moves along the axis of  $x$  as normal. The volume generated is  $\int X dx$ .

A variable triangle parallel to the plane  $x=0$  has two vertices guided by the circle  $x^2 + y^2 = r^2$  and the third vertex by the line  $z = mx + h$ ; find the volume between limits  $\pm r$ .

5. Show that the volume of any solid is

$$\iiint r^2 \cos \theta \, dr \, d\theta \, d\varphi \text{ between proper limits.}$$

6. 
$$\int_0^\infty \frac{x^{m-1} dx}{(1+x)^{m+n}} = B(m, n) = \frac{\Gamma(m)\Gamma(n)}{\Gamma(m+n)}.$$

7. Give the two principal sources of differential equations. What is an exact diff. equation? What is an integrating factor?

Find an integrating factor for  $\frac{dy}{dx} (1 - 2xy) = y^2$ .



8. Obtain the solution of the exact differential equation

$$P + Q \frac{dy}{dx} = 0$$

and apply it to find the primitive of

$$3x^2 + 2axy + (ax^2 + 3y^2) \frac{dy}{dx} = 0.$$

9. Give the form of Clairaut's equation and show that its primitive is got by putting a constant for  $P$ , and that it in general admits of a singular solution.

Apply these principles to solve the equation

$$y = \frac{dy}{dx} x + \frac{dx}{dy} a.$$

---

### Essay.

1. On the theory and processes of interpolation in a series.

---

2. On the nature and application of Hyperbolic functions.





## Determinants and Theory of Equations.

$(a_1 b_2 c_3 \dots)$  will be employed to denote the determinant whose principal diagonal is  $a_1 b_2 c_3 \dots$ .

1. If  $ab \dots x \dots lm \dots \lambda \dots pq$  has an even number of inversions,

Then  $ab \dots \lambda \dots lm \dots x \dots pq$  has an odd number of inversions.

2. The expansion of

$$(a_1 b_2 c_3 d_4) \text{ is } a_1 A_1 + b_1 B_1 + c_1 C_1 + d_1 D_1$$

where  $A_1$  &c. are first minors, and the expansion is also

$$(a_1 b_2)(c_3 d_4) + (a_1 b_3)(c_2 d_4) + (a_1 b_4)(c_2 d_3) + \\ (a_2 b_3)(c_1 d_4) + (a_2 b_4)(c_1 d_3) + (a_3 b_4)(c_1 d_2).$$

3. To increase or diminish a column of a determinant by any multiple of another column does not change the value of the determinant.

4. Write out the product of  $(a_1 b_2 c_3)$  by  $(l_1 m_2 n_3)$ .

5. If  $l_1 x + m_1 y + n_1 = 0$ ;  $l_2 x + m_2 y + n_2 = 0$ ;

$l_3 x + m_3 y + n_3 = 0$  be the equations to three lines, show that the area of the included triangle is

$$\frac{\frac{1}{2}(l_1 m_2 n_3)^2}{(l_1 m_2)(l_2 m_3)(l_3 m_1)}$$

6. If  $Ka_{1n}$  denotes a continuant in which  $a$ 's only appear from  $a_1$  to  $a_n$ , show that

$$Ka_{1n} \div Ka_{2n} = a_1 + \frac{1}{a_2} + \frac{1}{a_3} + \frac{1}{a_4} + \dots$$

7. Show that the symmetric function

$$\{(\gamma - \alpha)(\beta - \delta) - (\alpha - \beta)(\gamma - \delta)\} \cdot \{(\alpha - \beta)(\gamma - \delta) - (\beta - \gamma)(\alpha - \delta)\} \cdot \{(\beta - \gamma)(\alpha - \delta) - (\gamma - \alpha)(\beta - \delta)\},$$

of the biquadratic with binomial coefficients, is

$$432 \begin{vmatrix} a_0 & a_1 & a_2 \\ a_1 & a_2 & a_3 \\ a_2 & a_3 & a_4 \end{vmatrix}$$

8. Obtain the difference equation

$$x^3 + 18Hx^2 + 81H^2x + 27(G^2 + 4H^3) = 0$$

to the cubic, and explain the importance of the independent term.

---

9. Give the solution of the cubic by symmetric functions, and show that the reducing quadratic is

$$t^2 + 27Gt - 729H^3 = 0.$$





## Quaternions.

---

1. Show in any way that vector multiplication is not in general commutative. In what particular cases is it commutative?

2.  $\alpha$  and  $\beta$  being any vectors write out the values of

$$\frac{\beta}{\alpha}, \beta\alpha; S\alpha\beta, TV\alpha\beta, \alpha^2\beta^2, (\alpha-\beta)^2$$

Under what conditions is  $\frac{\beta}{\alpha}$  expressible as  $\epsilon^\theta$ ?

3. State and prove the conditions (1) that two vectors may be perpendicular, (2) that three vectors may be complanar.

4. Show that  $V.\alpha V\beta\gamma = \gamma S\alpha\beta - \beta S\alpha\gamma$ ,  
and that  $V.V\alpha\beta V\beta\gamma = -\beta S(\alpha\beta\gamma)$ .

5. If  $\alpha, \beta, \gamma$  be three vectors from any point to a plane  $V\alpha\beta + V\beta\gamma + V\gamma\alpha$  is a vector  $\perp$  to the plane.

6. If the equation to the ellipse, origin at the centre, be written  $S\rho\phi\rho=1$ , and  $\phi = \sqrt{-\varphi}$  symbolically, interpret  $\phi\rho$  Geometrically.

7. Show that  $T(\phi\rho)^{-1}$  is the length of the perpendicular from the centre upon the tangent or tangent plane of an ellipse or ellipsoid.

8. If any point lies upon a sphere, its polar plane with respect to a concentric ellipsoid envelopes a second ellipsoid.



## Solid Geometry.

---

1. Establish the relation

$$l^2 + m^2 + n^2 + 2lm \cos \mu + 2mn \cos \lambda + 2nl \cos \mu = 0$$

2. Investigate the condition that two lines in space may intersect.

3. Find the plane through  $\frac{x}{l} = \frac{y}{m} = \frac{z}{n}$  and  $\perp$  to the plane through  $\frac{x}{m} = \frac{y}{n} = \frac{z}{l}$  and  $\frac{x}{n} = \frac{y}{l} = \frac{z}{m}$ .

4. The equation of a sphere is

$$(x - x_1)(x - x_2) + (y - y_1)(y - y_2) + (z - z_1)(z - z_2) - 2x_1 x_2 = 0$$

where  $x_1 \ x_2 \ y_1 \ y_2 \ z_1 \ z_2$  are intercepts on the axes.

5. Obtain the functional equations of the cone and cylinder.

The coördinates of  $P$  are  $(x, 0, a)$  and of  $Q$  they are  $(0, y, 0)$ , and  $x_1 y_1 = \text{constant} = c^2$ , to find the equation to the locus of the line  $PQ$ .

6. Describe the generation of the Hyperbolic Paraboloid and find the equation to its asymptotic planes.

7. In an orthogonal transformation of the axes we obtain an equation of the form

$$s^3 + Ss^2 + S_1s + D = 0$$

Explain the importance of this equation and write the values of the coefficients.

Interpret the coefficients geometrically when the transformation is applied to the Ellipsoid

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1$$

8. Show that three confocal conicoids may be made to pass through any given point.





## Spherical Trigonometry, &c.

---

1. Describe the polar triangle and employ it to change the formula

$\tan \frac{1}{2}(A + B) \cos \frac{1}{2}(a + b) = \cot \frac{1}{2}C \cos \frac{1}{2}(a - b)$

into its supplementary formula.

2. If  $a, b, c$  are the conterminous edges of a parallel-opiped and  $\alpha, \beta, \gamma$  the three angles at the corner,

Volume  $= 2abc \sqrt{\sin s \cdot \sin (s - a) \sin (s - b) \sin (s - c)}$ .

3. State the rule known as Napier's circular parts. Given the latitude ( $l$ ) of a place, and the declination ( $d$ ) of a star to find its azimuth at rising.

4. Change to logarithmic forms the two following :

$$(a) \cot a \sin b = \cos b \cos C + \sin C \cot A.$$

$$(b) \cos A + \cos B \cos C = \sin B \sin C \cos a.$$

5. The area of a geodetic triangle is  $Er^2$  where  $E$  is the spherical excess and  $r$  the earth's radius.

6. Develope any one of Gauss' equations.

7. The right ascensions and declinations of two stars being known show how to find their azimuth when they are on the same vertical circle.

What importance has this problem ?

8. The altitude of Fomalhaut is  $29^\circ 10'$  when the local sidereal time is 21h. 49m. 44s. The right ascension of the star is 22h. 49m. 44s. and its declination  $13^\circ 15' S$ . What is the latitude of the plane ?

## Theory of Numbers, &c.

---

1. Find an expression for the number of divisors of a given number.

How many divisors has 14532 ?

Also, what is the sum of these divisors ?

2. The number of positive integers less than  $N$  and prime to  $N$  is  $N\left(1 - \frac{1}{a}\right)\left(1 - \frac{1}{b}\right)\left(1 - \frac{1}{c}\right) \dots$  where  $a, b, c, \dots$  are the prime factors of  $N$ .

3. If  $n$  be a prime  $> 3$ ,  $n(n^2 - 1)(n^2 - 4)(n^2 - 9)$  is a multiple of  $(2^7.3^2.5.7)$ .

4. State and prove Wilson's theorem.

5. Show that  $a^2 + b^2$  cannot be divisible by 3 unless both  $a$  and  $b$  are divisible by 3. 7 and 11 fulfil the same conditions.

6. Find the chance of drawing two white balls in succession from a bag containing 5 red and 7 white balls, the ball drawn not being replaced.

7. If the probability of an event happening is  $p$ , and  $q = 1 - p$ . Show that the probability of the event happening exactly  $r$  times in  $n$  trials is  $nCr p^r q^{n-r}$ .

8.  $A$  and  $B$  each throw a die. Show that the probability that  $A$ 's throw will be higher than  $B$ 's is  $\frac{5}{12}$ .





## Mental and Moral Philosophy.

---

First and Second Papers same as for Senior Philosophy.

---

### THIRD PAPER.

---

1. Does the *Theaetetus* contain any positive contributions to a true theory of knowledge?

2. How does Plato distinguish between opinion and knowledge in the *Theaetetus* and the *Republic* respectively?

3. State the proofs of immortality advanced in the *Phaedo* and the *Republic*, and compare them with those of Kant and Green. Add remarks.

4. How far does Plato in the *Republic* anticipate the Aristotelian conception of virtue as a mean? Is that conception adequate?

5. What contradictions does Aristotle find in the doctrine that the soul is divisible, and reasons with one part, desires with another? Add remarks.

6. Explain and examine Aristotle's view of the relations of imagination and reason.



## Mental and Moral Philosophy.

---

### FOURTH PAPER.

---

1. Compare shortly the main principles of Descartes with those of Spinoza.

2. Are there any imperfections in the philosophy of Spinoza that can be attributed to his method ?

3. "Every idea of any body or existing thing necessarily involves the eternal and infinite essence." Explain and examine.

4. Can a valid distinction be drawn between what is "absolutely infinite" and what is "infinite in its own kind ?"

5. Explain and examine Spinoza's doctrine of "infinite modes."

6. "The idea of the mind is united to its object, the mind, in the same way as the mind is united to the body." Examine.





## Mental and Moral Philosophy.

---

### FIFTH PAPER.

---

1. How far does Kant regard the method of the sciences as applicable to philosophy? Add remarks.
2. Is the distinction of judgments as analytic and synthetic admissible?
3. Examine the Kantian opposition of perception and conception.
4. What is meant by the "type" of practical judgment? Why is it introduced?
5. How does Kant seek to reconcile human freedom with the causality of God? Is the reconciliation satisfactory?
6. Is morality necessarily an infinite progress?

## Mental and Moral Philosophy.

---

### SIXTH PAPER.

---

1. "The real is the relative." "The real is the non-relative." Is either formula adequate?

2. How are the ideas of natural causality, final cause and self-consciousness related to one another?

3. Examine Mill's classification of reality as (1) states of consciousness, (2) substances, (3) qualities.

4. "Judgment expresses a relation between two things, not between two ideas." How far is this saying of Mill true?

5. State shortly and criticise the ethical doctrines of Bentham, Mill and Spencer.

6. If the will is good, are the consequences of an action necessarily good?





## Political Economy.

---

### FIRST PAPER.

---

1. What, according to Smith, are the component parts of the price of commodities? How does he agree with later economists?

2. Estimate Smith's views as to the natural consequences of Drawbacks and Bounties.

3. What are the relative merits of direct and indirect taxation?

4. What are the usual consequences of government interference with the natural causes of trade?

5. What are the influences which cause profits to tend to a minimum and those which counteract that tendency?

6. What, according to Mill, are the chief conditions determining international values?

7. What are Mill's views as to the best system of land ownership?

8. How does Henry George deduce his theory of wages from Recardo's theory of rent? Is the deduction valid?



## Political Economy.

---

### SECOND PAPER.

---

1. Compare the older and the modern forms of Trade Unions, as regards (*a*) their origin, (*b*) their objects, (*c*) their effects on industry.

2. Give a summary of Roscher's views on insurance.

3. Show that the evil effects of over-population may exist quite independently of any exhaustion of the natural powers of the earth capable of satisfying human wants.

4. Consider the leading economic effects of Commercial Union between Canada and the United States.

5. Explain what is meant by a World Clearing House. What are its chief advantages?

6. Under what conditions will a debasement of coinage (*a*) increase the price of commodities, (*b*) not affect their price?

7. What changes in industrial relations have been brought about by the extensive use of machinery in production?

8. What are the advantages and disadvantages of the modern concentration of production in a few hands?



## Chemistry.

---

### *Practical.*

\* I for first year ; II for second year ; III for both years.

#### I.

1. Analyse qualitatively the solid *A*.
2. Determine by dry tests the substances present in *B*.
3. Prepare nitrogen dioxide and illustrate its properties.
4. Prepare hydrochloric acid and illustrate its properties.

#### II.

1. Estimate in solution *C* the number of grams per litre (*a*) of iron (ferrous), and (*b*) of sulphuric acid (calculate as  $\text{SO}_4$ ).
2. Estimate in the solid *D* the percentage (*a*) of chlorine, and (*b*) of alumina.
3. Estimate in the solid *E* the percentage of arsenic trioxide.

#### III.

1. From the alcohol in bottle *F* prepare iodoform. Dry the iodoform, and weigh it in a stoppered tube.
2. Describe the crystals (1) and (2), and the models (3) and (4), giving the crystallographic systems to which they belong, and the formulas of the various faces present.





## Organic Chemistry.

### I.

1. The silver salt of a monobasic organic acid gives on analysis :—

Carbon	...18.36	per cent.
Hydrogen	.... 2.50	“
Oxygen	.....24.49	“
Silver	.....54.65	“

Calculate the formula of the acid, and mention its name.

2. Write a structural formula for malic acid, and describe reactions which show its relation to succinic acid.

3. (a) How can methane be synthesised from the elements? (b) Give a method for preparing pure methane.

4. (a) Write an equation showing the action of phosphorus trichloride on acetic acid. (b) What conclusion has been drawn from this action, as to the constitution of acetic acid?

5. Describe synthetic reactions which throw light upon the constitution of acetone.

6. (a) How is ethyl-mercaptan prepared? (b) How can ethyl-sulphonic acid be converted into ethyl-mercaptan? (c) Show the bearing of (b) on the constitution of the sulphonic acids.

7. Write equations showing the decomposition by a dilute alkali or acid of methyl cyanide and methyl isocyanide respectively, and discuss the constitution of these substances.

8. Describe the reactions by means of which hydracrylic acid can be prepared from glycerine.

9. How can propionic acid be synthesised, starting with ethyl alcohol ?

10. (a) Write equations representing the reactions by which malonic acid can be prepared from acetic acid.  
(b) What are the products of the decomposition of malonic acid by heat ?





II.

1. (a) Show the relation between succinic, malic, and aspartic acids. (b) How can succinic be made from malic acid? (c) How can aspartic be converted into malic acid?

2. By what means has racemic acid been shown to consist of two kinds of tartaric acid?

3. State the arguments which have been brought forward to show that in the benzene molecule there are six inter-equivalent atoms of hydrogen.

4. Write a structural formula for ethylene, and explain carefully the grounds for representing the two parts of the molecule as alike.

5. Mention two substances having the formula  $C_6H_6$ , and state their characteristic difference in properties.

6. (a) Show that, according to theory, three, and *only* three, di-chloro-benzenes are possible. (b) How many di-chloro-toluenes are possible?

7. Compare the action of nitrous acid on the amines of the paraffin series with its action on the amines of the benzene series.

8. Write equations showing how to prepare the cresols from toluene.

9. (a) What is the relation of hippuric acid to benza-mide? (b) How can the former be prepared from the latter?

10. (a) How is phthalic acid usually prepared? (b) What substances are formed by distilling it with lime?





## Systematic Mineralogy.

---

### I.

1. What qualities of minerals are studied under the heads of *Geometrical Crystallography*, *Physical Crystallography*, and *Mineral Chemistry*, respectively?

2. Define the terms, *crystal*, *species*, *axis of symmetry*, *plane of symmetry*, and *intercept*, as used in mineralogy.

3. Show what is meant by the "Principle of Rationality."

4. Explain clearly what is meant by *quaternary symmetry*, and give the characteristics of the crystallographic systems in which this symmetry occurs.

5. State the principles of Weiss's and of Naumann's notations and give the symbols according to these notations, and the names, of the forms of the Cubic system.

6. Give the geometrical construction for the form  ${}_2O_2$ .

7. (a) Explain the three kinds of hemihedrisism which are possible in the Cubic system. (b) Describe and name the form  $\left[\frac{mOn}{2}\right]$ .

8. Give the symbols for the following forms in the Hexagonal system:—*protopyramid*, *dentropyramid*, *tritopyramid*, *dihexagonal pyramid*, and *rhombohedron*.

9. Give a scheme of the holohedral forms of the Tetragonal system.

10. What values may  $m$  have in the forms  $mP$  of the Tetragonal system?

II.

1. (a) Explain the symbol  $\frac{1}{m}P$ . (b) Describe carefully the rhombic pyramid.

2. (a) Explain the use of the term *hemipyramid* in the Monoclinic system. (b) Describe the *orthodoma* of the same system.

3. What is the general law of *planes of cleavage* in crystals? Illustrate your answer by a reference to the planes of cleavage of calc spar.

4. Explain the terms *isotropic* and *anisotropic*, and classify crystals according to the properties indicated by these terms.

5. How does expansion by heat affect the forms of crystals?

6. Write a short essay on Isomorphism.





## Botany—First Year.

---

### FIRST PAPER.

---

1. "The root and stem grow in a different mode." Explain this statement fully.

2. Classify the different modes in which plants climb, giving examples of each.

3. How do monopodial and sympodial stems differ from each other?

4. Distinguish between a scorpioid and a helicoid Cyme.

5. Describe the particular adaptations for intercrossing in any three of the following plants:—*Phaseolus vulgaris*, *Apios tuberosa*, *Kalmia latifolia*, *Iris versicolor*, *Habenaria dilatata*.

6. Define the following terms:—Rhaphe, strophiole, caruncle, aril, endosperm, perisperm, hilum, testa.

7. What are the uses of (1) Bright colors in fruits, (2) Dull colors in nuts, (3) Bony endocarps or drupes, (4) Edible pulp in berries, (5) Nectar in flowers?

8. Explain the Linnaean system of classification and show how it differs from the natural system.



## Botany—First Year.

---

### SECOND PAPER.

---

#### *Histology and Physiology.*

1. Describe the spontaneous movements of living Protoplasm.
2. Write notes on the Cell, its form, walls, markings, and stratification.
3. State Nageli's theory of the structure of the cell-wall and its mode of thickening.
4. Why is iron believed to be present in Chlorophyll?
5. How are the following Tissues distinguished from each other:—(1) Parenchyma, (2) Collenchyma, (3) Sclerenchyma?
6. Describe as fully as you can the internal structure of a leaf.
7. How does temperature affect plants, as to (1) The absorption of water, (2) Evaporation, (3) Assimilation?
8. How does light affect Assimilation?
9. Describe the movements of plants dependent upon external stimuli.
10. Describe the structure of the Stomata and state their use.



## Botany—First Year.

---

### THIRD PAPER.

---

#### *Practical Botany.*

1. You have before you a bundle containing twenty-five species of plants unnamed. Write out a list of them.

2. Give the general characters of the following families of plants :—(1) Cruciferae, (2) Umbelliferae, (3) Compositae, (4) Labiatae.

8. Describe as fully as you can one species belonging to each of these families, giving in each case (1) the generic and (2) the specific description.

4. Classify the different kinds of fruits.

5. State any differences you know between the fruit of the Strawberry, the Raspberry, and the Blackberry.





## Botany—Second Year.

---

### FIRST PAPER.

---

#### *Vegetable Physiology.*

1. Write notes on (1) *Drosera rotundifolia*, (2) *Dionæa muscipula*, (3) *Pinguicula vulgaris*, (4) *Utricularia vulgaris*, (5) *Sarracenia purpurea*, explaining their arrangements for capturing insects.

2. Describe the origin and growth of Cork.

3. How can a plant continue growing and yet decrease in weight?

4. How is  $\text{CO}_2$  absorbed (1) by aquatic plants, (2) by terrestrial plants.

5. Write notes on the conditions of vegetable growth.

6. Discuss the subject of "Nitrogen in plants" and the various sources from which it may be obtained.

7. Give as fully as you can the history of the Pollen-grain after it is deposited on the Stigma.

## Botany—Second Year.

---

### SECOND PAPER.

---

#### *Cryptogamic Botany.*

1. Give as full a description as you can of the plant-body of the asexual generation of the Filicinæ.
2. Describe the prothallium and the organs of reproduction in Filicinæ.
3. Describe the tissue-systems developed in the Pteridophytes.
4. Explain the mode of fertilization in Bryophytes.
5. Many Botanists believe that Lichens are made up of two different kinds of individuals. Give the arguments for this theory.
6. Describe the mode of reproduction of the Yeast-plant.
7. Give the names of the Cryptogamous plants in the bundle before you.





## Botany—Second Year.

---

### THIRD PAPER.

---

#### *Geographical and Economic Botany.*

1. Divide the world into Botanical provinces and give the leading characteristics of each province.

2. Give a list of plants of economic importance, either native or cultivated, useful for

1. Medicine.
2. Food for man or domestic animals.
3. Building purposes.
4. Ornamental.
5. Export.

3. In what countries or regions are the following orders or genera most abundant:—

1. Labitæ.
2. Solidago.
3. Proteaceæ.
4. Ericaceæ.
5. Saxifragaceæ.

4. In what geological formations do the following orders make their first appearance:—

1. Ferns.
2. Cycads.
3. Equisetaceæ.
4. Lycopodiaceæ.

5. Discuss the different modes by which plants may be distributed over the surface of the earth.





## Geology—First Year.

---

### FIRST PAPER.

---

#### *Lyell's Principles of Geology.*

1. What was Elie de Beaumont's theory of the origin of mountains? How does Lyell answer it?

2. How is the progressive development of organic life illustrated by the history of (1) Fossil plants, (2) Fossil animals, (a) Mollusca, (b) Fish, (c) Reptiles?

3. What geological phenomena seem to confirm the doctrine of alternate periods of repose and disorder?

4. Write notes on the recession of the Falls of Niagara.

5. Give an outline of Lyell's explanation of the changes of climate during the geologic ages. Do you think it correct? Why?

---

### SECOND PAPER.

---

#### *Physical Geography.*

1. Write notes on
1. Ocean tides.
  2. Ocean currents.
  3. Salt lakes.

2. Define the terms:—Watershed, River Basin, Geyser, Fauna, Barometric pressure, Isothermal line, Plateaux, Savannah, Spring tide, Sirocco.

3. Explain the causes of the following phenomena:—(1) Land and Sea breezes, (2) Phosphorescence of sea water, (3) Hoar frost, (4) Neap tides, (5) Mineral springs, (6) Twilight, (7) Trade-Winds, (8) Puna winds, (9) Fog, (10) Insular climate.

4. Give a list of causes affecting climate, and explain how each modifies it.

5. On the coast of Labrador fish and seals caught in nets or lines are often frozen solid at considerable depths. How is this accounted for?

---

### THIRD PAPER.

---

#### *Dynamical and Historical Geology.*

1. Give a list of the principal minerals constituting rocks under the heads of

1. Oxides.

2. Carbonates.

3. Sulphates.

2. Write notes on the formation of coal, anthracite, chalk, marl, travertine, geyserite, green sand, gypsum, dolomite, rock salt.

3. Discuss the chemical action of underground water under the heads of

1. Oxidation.

2. Deoxidation.

3. Solution.

4. Hydration.

4. Give in tabular form a list of the divisions of the Upper Silurian rocks. Describe two of them under the following heads :—

1. Kinds of rocks.

2. Minerals of economic value, if any.

3. Life.

4. Conditions under which they were deposited, such as depth of water, &c.





## Geology—Second Year.

---

### FIRST PAPER.

---

1. Give in tabular form the divisions or formations of the Silurian age. Then describe three of them under the following heads:—

1. Kind of rocks.
2. Distribution in Canada.
3. Useful minerals or ores, if any.
4. Life.

2. Discuss the Carboniferous rocks.

1. Their distribution in America.
2. Formation of Coal.
3. Vegetation of the period.
4. Animal life.

3. When do the following animals or plants make their first appearance:—(1) Fishes, (2) Insects, (3) Reptiles, (4) Ferns, (5) Angiosperms, (6) Birds, (7) Mammals.

4. Upon what formations do the following cities stand:—Halifax, Fredericton, Quebec, Montreal, Kingston, Ottawa, Toronto.

---

### SECOND PAPER.

---

#### *Climate and Time.*

1. Deflexion of ocean currents is the chief cause of Secular changes of climate. (1) Explain this statement and (2) discuss the causes which might deflect ocean currents.

2. How does the difference between the Clyde and Canada fossil shells indicate a deflexion of the Gulf Stream during the Glacial epoch?



3. Croll believes that nearness of the Sun in Perigee may be a cause of the accumulation of ice. What are his reasons for this belief?

4. How may coal be an Interglacial formation?

---

### THIRD PAPER.

---

#### *Palaeontology.*

1. Define the term "fossil" and state what classes or kinds of objects are included under it. Are the bones of a dog buried under gravel and silt by a modern flood included in the term? Why?

2. Write notes on the conditions necessary for the preservation of Fossils.

3. What purposes in geological research do Fossils serve?

4. Explain the difference between "homotaxial" and "contemporaneous" strata.

5. Discuss the causes to which the imperfection of the geological record is due.

6. Explain what is meant by the "Colonies of Barrande."

7. In what formations do the following Fossils occur:—*Paradoxides Harlani*, *Lingula acuminata*, *Archaeocyathus Minganensis*, *Murchisonia bellicincta*, *Lituities undatus*, *Arthropycus Harlani*, *Pentamerus oblongus*, *Phillipsastrea Verneuili*, *Platephemera antiqua*, *Zaphrentis gigantea*.





## Zoology—Second Year.

---

### FIRST PAPER.

---

#### *Anatomy of Invertebrata.*

1. Explain Huxley's three distinctive properties of living matter.
  2. State the general characters of each of the three classes of Infusoria, and explain their different modes of reproduction.
  3. Trace out carefully the Embryological history of a Sponge.
  4. Discuss the differences between the Medusoid gonophores of the Hydrophora and the true Medusæ.
  5. Describe as fully as you can the Exoskeleton of *Homarus Americanus* or *Cancer irroratus*.
  6. Trace out the gradual development of the organs of locomotion from the Protozoa to the Arthropoda.
- 

### SECOND PAPER.

---

#### *Comparative Anatomy.*

1. Compare the vertebra column of man with that of other vertebrata in the following points :—
  1. Number of vertebrae.
  2. Mode in which they are connected.
  3. Neural arch.
  4. Spinous process.
  5. Number of parts and form of sacrum.
2. Describe the skeleton of man's upper limb, and compare the different bones with those of other mammals.

### THIRD PAPER.

---

#### *Physiology.*

1. Trace the course of the blood through the heart and describe the structure and action of the several valves through which it passes.

2. "These three great organs, the Lungs, the Kidneys and the Skin, may be regarded as so many drains from the blood." Classify and explain the facts upon which this statement is based.

3. Describe the anatomical structure of the eye and explain the uses of the different parts.

---

### FOURTH PAPER.

---

#### *Distribution of Animals.*

1. Why is it necessary to study the extinct animals of a continent in order to understand the distribution of living animals?

2. Why does Wallace not carry back his study of fossil animals beyond the Tertiary?

3. State any remarkable facts you know about the Miocene Fauna of Greece.

4. Give the limits of Wallace's Zoological regions and his reasons for adopting them.

5. What is remarkable about the Post-pliocene of North America?





## History.

---

### FIRST PAPER

---

1. Trace the national affinities of the Anglo-Saxons, and give a sketch of their primitive social system.

2. What was the character of the Anglo-Saxon colonization of England? Trace the institution of kingship.

3. What was the character of the tenure of land among the Anglo-Saxons?

4. Distinguish between Ethel and Bocland.

5. What were the forms of social organization before the Norman conquest? How far did the constitutional and ecclesiastical machinery, and also local administration conform to this? To what extent was the social or constitutional organization affected by the ecclesiastical?

6. Trace the growth of Feudalism before and after the Norman conquest. What circumstances prevented the system attaining the form and power it acquired in France? What were the Palatine Earldoms, and for what purpose were they created?



## History.

---

### SECOND PAPER.

---

1. What were the relations existing between the Papacy and England under the Norman kings ?

2. Describe fully the Curia Regis under the Norman kings—its character and powers.

3. Stubbs says the sixty years that followed the death of Stephen “ is a period of amalgamation, of consolidation, of continuous growing together, and new development, which distinguishes the process of organic life from that of mere mechanic contrivance, external order from internal law.” Explain this.

4. What changes were made in Henry II. reign in regard to the methods of taxation, of judicial institutions, and military organization ?

5. State the principal Articles of the Constitutions of Clarendon.





## History.

---

### THIRD PAPER.

---

1. "The history of the latter years of Henry III. shows that the character of the constitutional contest was undergoing a change." What constitutional contest is meant, and what was the nature of the change?

2. "The parliamentary constitution of England comprises not only a concentration of local machinery but an assembly of estates." Explain this.

3. Mention any early instances of the responsibilities of Ministers.

4. When and under what circumstances were the following privileges of the House of Commons established? (1) The right to originate money bills, (2) Freedom of its members from arrest, (3) The right to determine contested elections.

5. Hallam says: "No man could have recovered an acre of land without proving a better right than the Stuarts could make out to the crown of England." Explain this fully.

6. Who formed the Cabal administration? What was the occasion of its fall?

7. What were the grounds of the attempted arrest of the five members by Charles I.?

## History.

---

### FOURTH PAPER.

---

1. What measure was passed in the reign of Charles II. regarding military tenures?

2. Trace briefly the growth of the idea of the responsibilities of Ministers.

3. Mention the several Acts which have been passed regarding the duration of Parliament.

4. What is meant by the Appellate jurisdiction of the Lords? State the arguments for and against Life-peerages. Mention instances of Life-peerages having been conferred on women. Did these lady peers take their seat in the house? Explain "Peerage with remainders over."

5. In the reign of Henry VII. there were only twenty-nine temporal peers. Mention the several occasions of additions made to their number. What is the position of the Scotch and the Irish peers? How far may the peerage be regarded as representative?

6. Explain Rousseau's ideas in the Social Contract.

7. Distinguish between representative government and government by the majority.

8. What does Guizot lay down as the true principles of representative government?





## English.

---

### FIRST PAPER.

---

1. Translate—Anglo-Saxonica, p. 51, *from* Betwux thisum gewende *to* aháfen bist.

2. Parse gewende, cyrde, cydde, underfeng, befrán, drohtnigenne, blissigendum, gelumpen, geceas, ondrædan.

3. Translate—Battle of Maldon, p. 138, *from* Ne sceolon me *to* scyld-burh tobrocen.

9. Parse forth-eode, fæthe, gemunde, geræhte, gemánode, thearfe, callum thearf, æghwylc, bylde, beswicene, wlancan. totwæmed.

---

### SECOND PAPER.

1. Translate—Beowulf, Canto XXII., ll. 1400–1437.

2. Parse gebæted, gengde, fôr, eahtode, gedrêfed, bewitigath, getwæfde.

3. Translate—Beowulf, Canto XXXIII., ll. 2313–2336.

4. Parse hofu, gesyne, neán, gesceát, theóstrum, gethywe.

---

### THIRD PAPER.

1. Translate—Layamon's Brut, p. 171, *from* Ayen ich wulle *to* swa mon his fader scolde.

2. Parse yernen, milcea, wurdea, vnderfon, wunede, hærabarewude, ferde, æruu, fordemen, cuth, sohust, lah, weldinde, ileue, giving Anglo-Saxon roots.



3. Explain the words underlined in the following passages, and point out any allusions:—

Chaucer's Canterbury Tales—

The Prologue ll. 446–542.

The Nonne Prestes Tale—

ll. 6–116.

---

#### FOURTH PAPER.

---

1. Explain the words underlined in the following passages and point out any allusions:—

Spenser's Faery Queene—

Book I., Canto 1st, st. 29–36.

“ “ “ 3rd, “ 33–36.

“ II, “ 8th, “ 1–6.

“ “ “ 10th, “ 70–77.

2. Scan the lines:—

Book II., Canto X., st. 72, l. 9.

“ “ “ “ “ 73, l. 9.

“ “ “ “ “ 75, ll. 1, 2, 9.

3. Milton's L'Allegro, ll. 10–17, 81–104.

“ Il Penseroso, ll. 18–26, 86–120.

Dryden's Ode on St. Cecelia's Day, ll. 24–84.





## French

---

### FIRST PAPER.

---

#### I

Translate: Victor Hugo, *Hernani*, Monologue of Charles V., from *Apprends-moi* to *ton néant*.

1. *Dis-moi*. Why is *moi* and not *me* used?
2. *Ta tombe*. Where was Charlemagne buried?
3. Give the derivation of *lit*, *chose*, *laisser*, *chevet*, *pâle*, *doute*, *tête*.
4. In what year is the scene of *Hernani* laid?
5. Describe the structure of the verse used here.
6. Point out differences between the Classical and Romantic Drama.

#### II.

Translate: Corneille, *Le Cid*, Act III., Scene 1., from *Et je n'y viens* to *Rodrigue, cache-toi*.

1. *Ne-point que*. What is used *now* instead of this?
3. Discuss the form *voi*.
3. Give the derivation of *y*, *cherche*, *trépas*, *bouche*, *où*, *ici*.
4. On what grounds has the introduction of the *Infanta* been considered a defect?
5. What reception did the *Cid* meet on its first appearance?
6. From what Spanish author has Corneille borrowed this subject?

### III.

Translate : Corneille, Cinna, Act IV., Scene 1, to *ébranlées*.

1. Give the derivation of *seigneur*, *même*, *en*, *encor*, *jour*, *mais*.

2. *S'obstine*. Explain the use of *être* as the auxiliary of reflexive verbs.

3. Explain how French words come from the Latin *Accusative* and not from the *Nominative*.

4. Point out instances of *rich* and *sufficient* rhymes in this extract.

5. What historic basis is there to this drama ?





## French.

### SECOND PAPER.

#### I.

Translate : Molière, *Le Tartuffe*, Act V., Scene 2.

1. Give the derivation of *âme*, *lâche*, *oui*, *jeune*, *gauchir*.

2. Discuss the gender of nouns in *-eur*.

3. Distinguish between *tout-à-coup* and *tout d'un coup*.

4. *Sous un règne*. Under what king was this comedy first produced, and how was it received ?

5. Compare Molière with Shakespeare and Aristophanes.

#### II.

Translate : *Les Fourberies de Scapin*, Act III., Scene 3, from *Je vous prie* to *au dernier point*.

1. Explain the forms *grand 'chose* and *lui* in *lui fit*.

2. *Tous les jeunes gens*. When is *gens* masculine and when feminine ?

3. *La plupart*. Translate : *Most of the cavalry escaped*.

4. *Saurais*. When is this verb used for *pouvoir* ?

5. What is the subject of this comedy, and who are the principal characters ?

#### III.

Translate : *Cousin*, Introduction à l'histoire de la Philosophie, Fourth Lecture, from *Pensez-y sérieusement* to *étudier le jeu*.

#### IV.

Translate : *Vinet*, *Etudes sur Blaise Pascal*, p. 209-10, from *Par la simplicité* to *rend éminent*.



## French.

---

### THIRD PAPER.

---

#### I.

##### *Literature.*

1. Name the principal writers of the 18th century.
2. Compare Corneille with Racine.
3. Give an account of the Romantic School, and show how it was related to the political condition of France.

#### II.

##### *Prosody.*

1. Distinguish between *masculine* and *feminine* rhymes.
2. In what respects does French rhyme differ from English?
3. What is *enjambement* and when is it allowed?
4. Distinguish between *rimes plates*, *rimes croisées*, and *rimes mêlées*.

#### III.

##### *Philology.*

1. Show how the Germanic invasion hastened the development of the Romance languages.
2. Give instances of *bifurcation* in derivation.
3. Explain the fact that so few Latin monosyllables have entered into the Romance languages.
4. What grammatical processes are similar in the different Romance languages?
5. Give the derivation of *foie*, *chèrement*, *lendemain*, *mûr*, *abri*, *bachelier*, *penser*, *dimanche*, *auberge*, *fourmi*, *bras*.





## French.

### FOURTH PAPER.

#### I.

Translate at sight :

Dans tout autre endroit du monde, on l'eût traitée de folle ; mais en Aps, pays de têtes bouillantes, explosibles, on se contente de trouver que madame Portal " a le verbe haut." C'est vrai qu'en traversant la place Cavalerie, par ces apprêsmidi paisibles où le chant des cigales, quelques gammes de piano, animent seuls le silence claustral de la ville, on entend, trahies par les auvents de l'antique demeure, d'étranges exclamations de la dame secouant et activant son monde : " monstre ... assassin ... bandit .. voleur d'effets de prêtres .. je te coupe un bras ... je t'arrache la peau du corps." Des portes battent, des rampes d'escaliers tremblent sous les hautes voûtes sonores, blanchies à la chaux, des fenêtres s'ouvrent avec fracas comme pour laisser passer les lambeaux arrachés des malheureux domestiques qui n'en continuent pas moins leur service, accoutumés à ces orages et sachant bien que ce sont là de simples façons de parler.

En fin de compte une excellente personne, passionnée, généreuse, avec ce besoin de plaire, de se donner, de se mettre en quatre, qui est un des côtés de la race et dont Numa avait éprouvé les bons effets. Depuis sa nomination de député, la maison de la place Cavalerie était à lui, sa tante se réservant uniquement le droit de l'habiter jusqu'à sa mort. Et quelle fête pour elle que l'arrivée de ses Parisiens, le train des aubades, des sérénades, des réceptions, des visites dont la présence du grand homme remplissait sa vie solitaire, avide d'exubérance. Puis elle adorait sa nièce Rosalie, de tout le contraste de leurs deux natures, de tout le respect que lui imposait la fille du président Le Quesnoy, le premier magistrat de France.

Daudet, Numa Roumestan.

#### II.

Translate into French :

There was a boy in the class who stood always at the top, nor could I with all my efforts supplant him. Day came after day, and still he kept his place, do what I would, till at length I observed that, when a question was asked him, he always fumbled with his fingers at a particular button in the lower part of his waistcoat. To remove it, therefore, became expedient in my eyes ; and

in an evil moment it was removed with a knife. Great was my anxiety to know the success of my measure, and it succeeded too well. When the boy was again questioned, his fingers sought again for the button, but it was not to be found. In his distress he looked down for it ; it was to be seen no more than be felt. He stood confounded, and I took possession of his place ; nor did he ever recover it, or ever, I believe, suspect who was the author of his wrong. Often, in after life, has the sight of him smote me as I passed by him ; and often have I resolved to make him some reparation ; but it ended in good resolutions. Though I never renewed my acquaintance with him, I often saw him, for he filled some inferior office in one of the courts of law in Edinburgh. Poor fellow ! I believe he is dead ; he took early to drinking.

Sir W. Scott, *Autobiography*.





## German.

---

### FIRST PAPER.

---

#### I.

Translate : Lessing, Nathan Der Weise, Act IV., Scene 8.

1. Parse *erschrad*, *gilt*, *wage*.
2. *Gestekt*. For what compound does this stand ?
3. *Den ich allein*. Explain the construction of *den*.
4. *Wer sie ist*. State who were her parents, and the circumstances of her birth.
5. Discuss the merits and defects of this Drama.
6. What was the aim of this Drama, and at what period in the life of Lessing was it composed ?

#### II.

Translate : Goethe, Faust 2866–2905.

1. State the relation of this scene to the “Garden” scene which precedes, and the scene “At the Fountain” which follows. What was the arrangement in the Fragment ?
2. *Erhabner Geist*. Who is meant ?
3. *Meine Brüder*. Who are they ?
4. *Vollkommenes*. What participle must be supplied ?
5. State what events in this Tragedy are drawn from Goethe’s own life.
6. Give an account of the Composition of the Faust of Goethe.



## German.

---

### SECOND PAPER.

---

#### I.

Translate : Nibelungenlied, Avent. IV., Stanzas 251-5.

1. Substitute modern German words for *iuch*, *ledec*, *miniu*, *dô*, *gebettet*, *kunde*, *pflac*, *nerten*.

2. *Die erzenîe*. What part of speech is *die*?

3. Give a sketch of the story of the Nibelungenlied, pointing out what features belong to its earliest form.

4. What historical personages have been identified with characters in this poem?

#### II.

Translate : Oberon IX. 30-33.

1. Give the principal parts of *fuhr*, *beginnet*, *geschieden*, *dünfte*, *wich*, *erhob*, *laß*, *schweige*.

2. *Wie sie dünfte*. Explain the case of *sie*.

3. Give an account of the wanderings of Huon. Where do we find him in this Canto?

4. What connection has the history of Huon and Amanda with that of Oberon and Titania?



German.

---

THIRD PAPER.

---

I.

1. State and illustrate *Verner's Law*.
2. Give the declension of personal pronouns in M. H. G.
3. Give examples of *Umlaut* and *Ablaut*, and show effects of their influence on English.

II.

1. Give an account of the *Romantic School*.
2. Compare *Schiller* and *Goethe* as dramatists.
3. Estimate the influence of *Lessing* on *German Literature*.





I.

Translate at sight :

Über seine ersten Jahre im preussischen Dienst erzählt Graf Moltke folgendes : "Der Anfang meiner Laufbahn war arm an Freuden des Lebens. Ich kam auf die Kriegsschule in Berlin zu einer Zeit, wo das Vermögen meiner Eltern durch die Kriege und eine unabsehbare Reihe von Unglücksfällen fast gänzlich verloren gegangen war. Kein Pfennig Zulage konnte mir gewährt werden, und man kann sich kaum vorstellen, wie ich mich einschränken mußte. Trotzdem gelang es mir, noch so viele Ersparnisse zu machen, daß ich Unterricht in den neueren Sprachen nehmen konnte. Es ist wahrhaftig ein beneidenswertes Los, das eines armen Lieutenants! Glücklicherweise kehrte ich bald zum Regimente zurück, wo mir die Direktion der Divisionschule übergeben wurde, und als ich meine Aufgabe zur Zufriedenheit meiner Vorgesetzten gelöst hatte, attachierte man mich an die Kommission, welche die topographischen Vermessungen in Schlesien und Posen ausführen sollte. Der General von Müßfling leitete diese Arbeit, einer der Offiziere, deren man sich sein Leben lang mit aufrichtiger Hochachtung erinnert, wenn man das Glück gehabt hat, mit ihnen in nähere Berührung zu kommen. Er hatte einen sanften, freundlichen Humor, der seinesgleichen suchte. Ich entsinne mich, daß einer meiner Kameraden einst einen unmöglichen Berg auf einer der Karten angebracht hatte; und als ihm der General dies bemerflich machte und jener dennoch seinen Irrtum nicht anerkennen wollte, der General mit ruhig und freundlich ausge-

prochenen Worten zu ihm sagte: "Nun, so wünsche ich Ihnen Glück, die Wissenschaft bereichert und die Provinz mit einem neuen Berge versehen zu haben." Bald nach dieser Zeit schien mir das Glück lächeln zu wollen: ich wurde Hauptmann."

Moltke.

## II.

Translate into German :

It is well known that the late king of Prussia, Frederick the Great, during the many and long wars in which he was engaged, not only shared all dangers, but also the inconveniences of a common soldier.

Once he marched with his grenadier-guards till very late at night. At last they halted. The king dismounted and said: "Grenadiers, it is a cold night, therefore light a fire." This was done immediately. The king wrapped himself up in his blue cloak, sat down on a few pieces of wood near the fire, and the soldiers placed themselves around him. At last General Ziethen came and took his place also on a bundle of wood. Both were extremely fatigued, and gently fell asleep. But the king very often opened his eyes, and, as he perceived that Ziethen had slipped off his seat, and that a grenadier was placing a faggot under his head for a pillow, he said, with a loud voice: "Bravo! the old gentleman is fatigued."

Soon afterwards a grenadier got up half asleep, in order to light his pipe by the fire, but carelessly touched the General's foot. The good king, who was glad to see Ziethen take a little rest, arose suddenly, waved his hand, and whisperingly said: "Hist, grenadier! Take care not to wake the General: he is very drowsy."



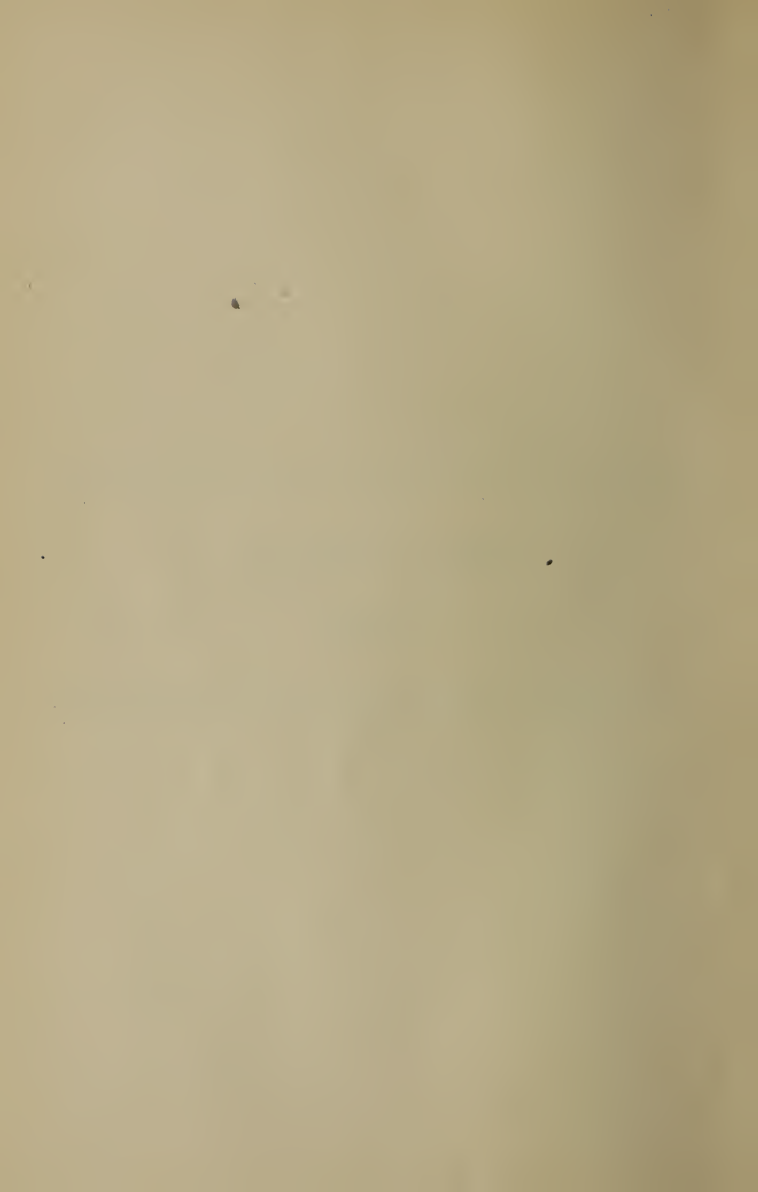


---

*Pass Papers,*

DIVINITY.

---



## Junior Hebrew.

---

1. Translate
  - (1) Gen. xxxii. 10, 14.
  - (2) Ruth iii. 10, 18.
  - (3) i. Sam. iii. 11, 13.
  - (4) Ps. xlv. 19, 20.
  - (5) " xlv. 13-15.
  - (6) " xlv. 10.
  - (7) " l. 8.
  
2. Analyze
  - (1) וַיִּחַץ Gen. xxxii., 8.
  - (2) תִּישִׁים " " 15.
  - (3) אוֹבֵל Ruth iv., 6.
  - (4) בְּהוֹת I. Sam. iii., 2.
  - (5) לָלֶת I. Sam. iv., 19.
  
3. How was barley winnowed (R. iii., 2) ?
4. Difference between סוּךְ (R. iii. 3) and מֶשֶׁךְ ?
5. i. Sam. iii. 17. Where only do we find this form of adjuration ?
6. Explain shoshannim, maschil, alamoth, mahalath.
7. State reasons against referring the origin of Ps. xlv. to the Maccabean period.
8. Shew that Ps. xlv. is Messianic.
9. Where were Tarshish, Bethlehem, Edom, Moab ?





## Hebrew—Second Year.

---

1. Translate (1) Prov. xii. 27, 28.  
 (2) Jer. xxii. 14, 15.  
 (3) Is. vii. 19, 20.  
 (4) " viii. 8, 19.  
 (5) Ps. lxxxvii. 4-7.  
 (6) " xc. 11, 12.  
 (7) " xcii. 3, 8.
  
2. Analyze (1) יֵרֶךְ Is. vii. 4.  
 (2) יַחַת " " 8.  
 (3) הַצֵּתִי Jer. xxi. 14.  
 (4) תִּנּוּ " xxii. 3.  
 (5) חִלּוֹנִי " " 14.
  
3. Point out the grammatical anomalies Prov. xii. 25.
4. When especially is כִּי adversative?
5. How did the covenant referred to in Deut. v. 3 differ from ante Mosaic covenants?
6. Why have the Jews left no monuments of art?
6. Why probably is שָׁרָה added to the specification of objects in Deut. v.?
8. How is עֲרִירִי Jer. xxii. 30 consistent with i. Chron. iii., 17 and Mat. i. 12?
9. Mention the characteristics of the Asaphic Psalms.
10. Shew the fulfilment of Is. viii. 4.
11. Explain (1) Jer. xxii. 20.  
 (2) Prov. xiii. 8.  
 (3) Is. vii. 25.  
 (4) " viii. 21.

## Hebrew—Third Year.

---

1. Translate (1) Ps. xxx. 11-13.  
 (2) " xxxviii. 3-9.  
 (3) Is. lxi. 5, 7, 8.  
 (4) " lxv. 20, 22, 25.

2. Analyze (1) יָנִים Is. lx. 8.  
 (2) פִּקְח־קוֹחַ Is. lxi. 1.  
 (3) תַּת־יָמְרוּ " " 6.  
 (4) אֲנֵאלְתִּי " lxiii. 3:  
 (5) וְזָלוּ " lxiv. 2.

3. Where were Tarshish, Achor, Sharon, Sheba, Lebanon, Sirion?

4. Difference between לְבוֹנָה Is. lx. 6 and קְמוֹרָת.

5. Point out the grammatical anomaly Is. lxiii. 11.

6. Name (1) the alphabetical Psalms, (2) the seven "penitential" Psalms.

7. Give reasons for referring Is. lx. to the second advent of our Lord.

8. What can be advanced for לֹא as the true reading Is. lxiii. 9?

9. Explain (1) new name Is. lxii. 2.  
 (2) the historical allusion Is. lxii. 8.  
 (3) angel of His presence Is. lxiii. 9.  
 (4) יְבִלּוּ Is. lxv. 22.  
 (5) Ps. xxxv. 16.  
 (6) " xxxvi. 2, 3.  
 (7) " xxxix. 3, middle clause.







## Chaldee.

---

1. Translate (1) Dan. ii. 10, 13, 16, 20.

(2) “ “ 5, 8, 10.

2. Analyze (1) חֲתִיב Dan. ii. 14.

(2) יְהוֹבְרוֹן “ “ 18.

(3) דָּקוּ “ “ 35.

(4) שְׁעֵתָא “ iii. 6.

(5) מִיָּא “ “ 19.

3. Name the musical instruments, Dan. iii. 5, which are supposed to be of Greek origin. Discuss the bearing of this supposed fact on the genuineness of the book.

4. How do you explain Dan. iii. 6, 19, as compared with Dan. ii. 46-49?

5. How do you account for Daniel not being accused along with his three friends, Dan. iii. 12?

## O. T. Exegesis.

---

### GENESIS AND ISAIAH IN LXX.

---

1. Translate (1) Is. xxv. 10, 11.  
(2) " xxviii. 24-29.  
(3) " xxix. 10.  
(4) Gen. iv. 22, 23.
2. Derive (1) *διώροφα* Gen. vi. 16.  
(2) *μελάνθιον* Is. xxviii. 27.  
(3) *χνοῦς* " xxix. 5.  
(4) *κατανύξεως* " " 10.
3. Account for the difference between the LXX. and the A. V.
  - (1) Gen. iii. 17, *ἐν λύπαις*  
for thy sake.
  - (2) Is. xxx. 5, *ματὴν κοπιᾶσουσι*  
came to Hanes.
4. Discuss (1) the locality of Eden.  
(2) the universality of the Flood.
5. To what nation does Is. xxiv-xxxv. chiefly refer?
6. On whom are the divine judgments denounced, Is. xxiv-xxvii.?
7. Explain (1) Is. xxiv. 15.  
(2) " xxvii. 9.  
(3) " xxviii. 4.  
(4) " xxxii. 20.  
(5) " xxxiii. 6.





## Divinity.

---

### FIRST PAPER.

---

1. Trace the development in Holy Scripture of the idea of Atonement.
  2. Give the different theories of the Atonement that have been formulated, beginning with Anselm's.
  3. What objections are commonly urged against the Catholic Theory? Answer them.
  4. Translate, Anselm's *Cur Deus Homo?* I. 11. *Hunc honorem debitum . . . possim dicere contra.*
  5. Explain the Scriptural Doctrine of Election, and give Paul's argument in Rom. IX.-XI.
  6. Mention "the five points" of the Remonstrants. Criticise them.
- 

### SECOND PAPER.

---

1. Define the doctrine of Justification by Faith, and explain its importance in Protestant Theology.
2. Why did the Doctrine occupy so central a place in Paul's Theology?
3. What is the relation of the Doctrine to Jesus Christ Himself?
4. What different types of teaching do we find in the New Testament? On what do they rest respectively?
5. Give Scriptural definitions, or descriptions, of Faith. What do they all imply?
6. Show the relation of natural to Christian Faith.

## N. T. Criticism.

---

1. On what grounds do the Tübingen School of Critics deny the Acts of the Apostles to be historical?

2. State and answer the objections to Luke being a companion and eye-witness of the facts he narrates.

3. Did Paul act consistently in taking part in the purificatory ceremonial, Acts 21:26? State your argument.

4. Translate Rom. 4:9-13, and parse λογισθῆναι, στοιχοῦσι, ἔχνεσι.

5. Explain Rom. 7:8-9. What are the different views regarding the person denoted by ἐγώ, verse 14?

6. Discuss critically Rom. 8:9-11.

7. State Lightfoot's theory regarding Rom. 15-16, and the arguments by which he supports it.

8. Give an outline of the argument of the first eight chapters of the Epistle to the Romans.







## **Apologetics.**

---

### **FIRST PAPER.**

---

1. How would you argue in favour of the possibility of a special Divine Revelation ?

2. Answer the objection that the Bible Revelation is anthropomorphic, and cannot be a true expression of the thought of a Supernatural Being, and is consequently unreliable.

3. State the argument for the truth of the Gospels from the character of the Christ presented in them.

4. Discuss the Vision hypothesis of the Resurrection, and state the other sceptical theories.

5. Give Strauss' theory of the origin of the Gospels. What objections may be offered to it ?

6. What proof of the authenticity of the Canonical Scriptures do the controversies with the heretics of the latter half of the second century afford ?

## Apologetics.

---

### SECOND PAPER.

---

1. Point out the aim and methods of the Philosophy of Religion.

2. What are the essential elements of the idea of Religion, and the arguments in support of the view that Monotheism, not Fetishism, was the primitive form?

3. State the leading principles of Confucianism.

4. Even though the proof of religion, and the consequences of observing or violating moral obligations were doubtful, show that the moral obligation would remain certain.

5. The scheme of religion is objected to because it conditions our future happiness on our behaviour in the present state. Apply the argument from analogy in answering this.

6. It is objected that we appear to be in a state of degradation, and are not advantageously situated either in our temporal or religious capacity for securing our present or future interest, and ought not to be blamed if we fail. Answer this.



## Church History.

---

### FIRST PAPER.

1. Tell all you know of the 1st Council in Jerusalem.
  2. State the 3 leading forms of Church Government. State the arguments for and against Episcopacy.
  3. Give Witherow's distinctive principles of the Apostolic Church.
  4. Who were the five Apostolic Fathers? The Ignatian Epistles?
  5. State Gibbon's five secondary causes.
  6. The Catacombs—Origin? Use? Extent? Testimony to faith of Early Church?
  7. The rise of Gnosticism? Its leading teachers? Its principal doctrines?
  8. State the extent of the Christian Church about the middle of the 2nd century.
- 

### SECOND PAPER.

1. Tell all you know of Montanus and his system. What early Church Father embraced Montanism?
2. Mention some of the early Apologists. What line of argument did they follow in their defence of the Christian Religion?
3. What support do the Early Fathers give to the doctrine of Infant Baptism?
4. Mention the 10 General Persecutions. Tell all you know of the last.
5. What was the condition of the Roman Empire in the time of the Valerian Persecution?
6. Tell all you know of Manes and Manichæanism.
7. Tell all you know of Sabellius and Sabellianism.
8. State the leading facts in the life of Origen, his character, value of his writings, &c.



## Scripture History and Geography.

---

1. Shew that Egypt was in a high degree a civilized country when it first comes before us in the Bible.

2. Name the king of Egypt at the time Moses was growing up, and the king at the time of the Exodus? Was there any providential circumstance favouring the exiles when leaving Egypt.

3. Give a brief account of the legislation of Moses as bearing on Sacred Times.

4. Describe the plain of Esdraelon and the battles that were fought in it referred to in the sacred history.

5. Give an account of the Six Great Campaigns of the time of the Judges.

6. Give a brief account of the wars of David.

7. Describe the literature of the period from the death of Joshua to the death of Solomon.

8. How many dynasties were there in the Northern Kingdom, and name the first king of each?

9. Mention the Assyrian kings referred to before and after the captivity of the Ten Tribes, and state something that each did.

10. Describe the work that Ezra did both as a ruler and a literary man.

11. Give some account of the origin of the Septuagint.

12. Give a brief account of Mattathias and his sons.

13. Give some account of the Targums.

14. Give a brief account of the origin and rise of the Herodian family, indicating somewhat of the career of the first Herod.





# CALENDAR

OF

*Queen's College and University,*

KINGSTON, CANADA,

*For the Year 1888-89.*

PART I.



INCORPORATED BY ROYAL CHARTER, A.D. 1841.

---

KINGSTON :

PRINTED FOR THE UNIVERSITY BY WM. BAILIE.

1888.



# CONTENTS.

---

	PAGE.
UNIVERSITY OFFICERS . . . . .	1, 4, 7
Board of Trustees . . . . .	1
University Council . . . . .	2
STAFF—Divinity . . . . .	4
Arts . . . . .	4
Medicine, Royal College . . . . .	5
Women's " . . . . .	6
Trinity " . . . . .	7
Law . . . . .	8
COLLEGE SOCIETIES . . . . .	9
BENEFACTIONS . . . . .	13
Endowment Fund . . . . .	14
Nominations . . . . .	15
Founders of Scholarships . . . . .	19
Donations to the Library . . . . .	22
Donations to the Museum . . . . .	23
Form of Bequest . . . . .	23
ACADEMIC YEAR . . . . .	25
CLASS TIME TABLE . . . . .	26
PASS EXAMINATION TIME TABLE . . . . .	27
GENERAL ANNOUNCEMENTS . . . . .	28
FACULTY OF ARTS . . . . .	31
Pass Matriculation . . . . .	31
Honour Matriculation . . . . .	33
Provisoes affecting Matriculation . . . . .	36
DEGREE OF B.A. . . . .	37
Pass Course . . . . .	37
Honour Courses . . . . .	38
EXAMINATIONS . . . . .	39
Extra-mural Students . . . . .	40
HIGHER DEGREES . . . . .	41
SUBJECTS OF STUDY . . . . .	42
Latin . . . . .	42

	PAGE.
Greek.....	43
Mathematics.....	44
Physics .....	46
Mental and Moral Philosophy and Political Economy.....	48
Chemistry.....	50
Natural Science.....	52
History.....	56
Rhetoric and English Literature.....	57
Moderns .....	58
FACULTY OF LAW.....	61
Law Curriculum.....	62
FACULTY OF THEOLOGY .....	64
Subjects of Study.....	64
Degree of B.D .....	65
GRADUATION IN MEDICINE.....	68
Examinations .....	69
Notices.....	70
SCHOLARSHIPS, &c.....	71
University Prizes.....	77
Medals .....	78
LIST OF STUDENTS, 1887-8 .....	80
MATRICULATION EXAMINATION.....	91
Pass Papers.....	91
Honour Papers .....	105
MOWAT SCHOLARSHIP.....	122

## PART II.

	PAGE.
SECOND PART.....	125
HONOURS, &c.....	127
PARTIAL HONOURS.....	129
GOLD MEDALLISTS.....	129
SILVER MEDALLISTS.....	130
PRINCE OF WALES PRIZEMEN.....	131
UNIVERSITY PRIZES.....	131
SCHOLARSHIPS, Arts.....	131
"    Theology.....	132
GRADUATES, 1888.....	133
PASS LISTS in Arts.....	134
"    Theology ..	144
"    Medicine ...	146
HONOURS, &c., in Medicine.....	150
ADDITIONAL STUDENTS.....	151
LIST OF GRADUATES.....	152
FELLOWS ROYAL COLLEGE.....	178
LICENTIATES    ".....	178
ALUMNI.....	181



# UNIVERSITY OFFICERS.

## BOARD OF TRUSTEES.

Retire April, 1892.	{	REV. M. MCGILLIVRAY, M.A.....	Kingston.
		REV. E. D. McLAREN, M.A., B.D. . . . .	Brampton.
		REV. M. W. MACLEAN, M.A.....	Belleville.
		ALEXANDER GUNN, Esq. ....	Kingston.
		W. C. CALDWELL, Esq., B.A.....	Janark.
		G. M. MACDONNELL, Esq., B.A., Q.C.....	Kingston.
		SIR JAMES M. GRANT, M.D. ....	Ottawa.
Retire April, 1891	{	REV. R. J. LAIDLAW, LL.D. ....	Hamilton.
		REV. W. T. HERRIDGE, B.D. ....	Ottawa.
		D. B. MACLENNAN, Esq., M.A., Q.C.....	Cornwall.
		SANDFORD FLEMING, C.E., C.M.G., LL.D...	Ottawa.
		JOHN MACLENNAN, B.A.....	Lindsay.
Retire April, 1890.	{	REV. THOMAS WARDROPE, D.D. ....	Guelph.
		REV. ROBERT CAMPBELL, M.A., D.D. ....	Montreal.
		REV. JAMES BARCLAY, M.A.....	Montreal.
		AND. T. DRUMMOND, Esq., M.A., LL.B....	Montreal.
		G. H. BOULTER, Esq., M.D. ....	Stirling.
		ARCHIBALD E. MALLOCH, B.A., M.D.....	Hamilton.
		GEORGE GILLIES, B.A.....	Gananoque.
Retire April, 1889.	{	REV. WILLIAM BAIN, D.D. ....	Kingston.
		REV. ROBERT CAMPBELL, D.Sc. ....	Renfrew.
		REV. D. J. MACDONNELL, M.A., B.D... ..	Toronto.
		JAMES MACLENNAN, Esq., B.A., LL.D., Q.C.	Toronto.
		HON. ALEX. MORRIS, D.C.L. ....	Toronto.
		ANDREW ALLAN, Esq. . . . .	Montreal.
		E. W. RATHBUN, Esq. ....	Deseronto.

HON. ALEXANDER MORRIS, D.C.L., P.C., etc., Chairman .

J. B McIVER, Esq., Kingston, Secretary-Treasurer.

The Annual Meeting of the Board is held in the Senate Chamber,  
on the evening of the last Wednesday in April.

# UNIVERSITY COUNCIL.

ELECTIVE MEMBERS IN THE ORDER OF THEIR RETIRING.

Retire 1893.	{	JOHN MCINTYRE, M.A.....	Kingston.
		REV. JOHN HAY, B.A., B.D .....	Campbellford.
		REV. DUNCAN MACDONALD, M.A .....	Carleton Place.
		PETER C. MCGREGOR, B.A .....	Almonte.
		ARCHIBALD P. KNIGHT, M.A .....	Kingston.
		GEORGE BELL, B.A.....	Toronto.
		HERBERT J. SAUNDERS, M.D .....	Kingston.
Retire 1892.	{	REV. G. M. MILLIGAN, B.A.....	Toronto
		REV. JAMES CUMBERLAND, M.A .....	Stella.
		ROBERT W. SHANNON, M.A.....	Kingston.
		JOHN HERALD, M.A., M.D .....	Kingston.
		WILLIAM G. ANGLIN, M.D .....	Kingston.
		J. S. MUCKLESTON, B.A .....	Kingston.
		J. JONES BELL, M.A .....	Brockville.
Retire 1891.	{	JOHN A. MUDIE, B.A.....	Kingston.
		HERBERT RATHBUN, B.A.....	Deseronto.
		JAMES BURGESS, M.A.....	Sydenham.
		ROBERT KINCAID, M.D .....	Peterboro'.
		JUDGE FRALECK, B.A .....	Belleville.
		EDWARD G. MALLOCH, B.A .....	Perth.
		JOHN R. LAVELL, B.A.....	Smith's Falls.
Retire 1890.	{	REV. JAMES CARMICHAEL.....	Strange.
		R. VASHON ROGERS, B.A.....	Kingston.
		HON. M. SULLIVAN, M.D .....	Kingston.
		REV. M. MCGILLIVRAY, M.A .....	Kingston.
		W. J. GIBSON, M.A., M.D.....	Belleville.
		REV. D. MCTAVISH, D.Sc .....	Lindsay.
		REV. J. K. MCMORINE, M.A .....	Kingston.
Retire 1889.	{	R. H. PRESTON, M.D., M.P.P.....	Newboro'.
		G. R. WEBSTER, B.A.....	Brockville.
		JUDGE MACDONALD, M.A .....	Brockville.
		REV. JAMES MURRAY, B.A., B.D.....	Hamilton.
		REV. JAMES C. SMITH, B.D .....	Guelph.
		ALEXANDER MCKILLOP, B.A .....	Pembroke.
		REV. A. H. SCOTT, M.A.....	Perth
		K. N. FENWICK, M.A., M.D .....	Kingston.



## *UNIVERSITY COUNCIL.*

---

The Council consists of the Chancellor, the Trustees, the Members of the Senate, and thirty-three elective members.

The Chancellor is elected by the Council, except when two or more candidates are nominated, in which case the election is by registered graduates and alumni. He holds office for three years, and, as highest officer of the University, presides at meetings of Council and Convocation, and at Statutory meetings of Senate. In his absence he is represented by the Vice-Chancellor.

Of the elective members seven retire annually, except in every fifth year, when only five retire. Successors are elected by registered graduates and alumni. Retiring members may be re-elected.

The Council has power to discuss all questions relating to the College and its welfare, to make representations of its views to the Senate or the Board of Trustees, to decide on proposals for affiliation and to arrange all matters pertaining to the installation of the Chancellor, its own meetings and business, the meetings and proceedings of Convocation, and the fees for membership, registration and voting.

Convocation for the conferring of degrees, etc., is held upon the last Wednesday of April in each year.

**CHANCELLOR**

SANDFORD FLEMING, C.E., C.M.G., LL.D.

**PRINCIPAL AND VICE-CHANCELLOR.**

VERY REV. GEORGE MONRO GRANT, M.A., D.D.

**VICE-PRINCIPAL.**

REV. JAMES WILLIAMSON, M.A., LL.D.

**REGISTRAR.**

REV. GEORGE BELL, B.A., LL.D.

### OFFICERS OF INSTRUCTION.

*I.—In Divinity.*

The Principal.....Primarius Professor of Divinity.

Rev. John B. Mowat, M.A., D.D., Professor of Hebrew, Chaldee and  
Old Testament Exegesis.

Rev. Donald Ross, M.A., B.D. . . . Professor of Apologetics and New Testament Criticism.

Rev. Jas. Carmichael (King). . . . Lecturer on Church History.

.....Watkins Lecturer on Elocution.

## II.—In Arts.

Rev. J. Williamson, M.A., LL.D., Professor of Astronomy.

Rev. J. B. Mowat, M.A., D.D. . . . . Professor of Hebrew.

Nathan F. Dupuis, M.A., F.B.S.

Edin. . . . . Professor of Mathematics.

Rev. Geo. D. Ferguson, B.A.....Professor of History and English  
Language and Literature.

John Watson, M.A., LL.D. . . . . Professor of Logic, Mental and  
Moral Philosophy, and Political  
Economy..... ..

John Fletcher, M.A., Oxon. . . . . Professor of Classical Literature.

D. H. Marshall, M.A., Edin.,

F.R.S.E.....Professor of Physics.

Wm. L. Goodwin, B.Sc., Lond.,

D.Sc., Edin.....Professor of Chemistry and Mineralogy.

Rev. Alex. B. Nicholson, B.A.....Lecturer on Modern Languages,  
and Assistant to Professor of  
Classics.

Rev. James Fowler, M.A.....	Lecturer on Natural Science.
.....	Lecturer on Elocution.
A. Shortt, M.A .....	Demonstrator in Chemistry.
M. S. Robertson, B.A.....	Tutor in German.
A. Gaudry .. ....	Tutor in French.
Adam Shortt, M.A.....	Tutor in Philosophy.
W. J. Patterson.....	Tutor in Mathematics.

### *III.—In Medicine.*

#### **ROYAL COLLEGE OF PHYSICIANS AND SURGEONS.**

##### **AFFILIATED TO THE UNIVERSITY.**

Fife Fowler, M.D., L.R.C.S., Edin.	Professor of the Theory and Practice of Medicine, and President of the Faculty.
Michael Lavell, M.D.. ....	Emeritus Professor.
Hon. Michael Sullivan, M.D.....	Professor of Principles and Practice of Surgery.
Alfred S. Oliver, M.D.....	Professor of Materia Medica, Therapeutics and Pharmacy.
Thomas R. Dupuis, M.D., F.R.C. P.S., and M.R.C.S., Eng.....	Professor of Clinical Surgery and Histology.
The Professors of Chemistry and Botany in Queen's University..	Professors of Chemistry, Practical Chemistry and Botany.
Kenneth N. Fenwick, M.A., M.D., M.R.C.S., Eng ... ..	Professor of Obstetrics and Gynaecology.
Chamberlen A. Irwin, M.D.. ....	Professor of Clinical Medicine and Sanitary Science.
Wm. H. Henderson, M.D., M.R.C.S. Eng .. .....	Professor of Physiology.
R. W. Garrett, M.A., M.D.....	Professor of Anatomy.
H. J. Saunders, M.D., M.R.C.S.E.,	Professor of Medical Jurisprudence.
D. E. Mundell, M.D. ....	Demonstrator-in-chief of Anatomy.

**WOMENS' MEDICAL COLLEGE.**

AFFILIATED TO THE UNIVERSITY.

President of the Faculty,

M. LAVELL, M.D.

Principles and Practice of Surgery,

HON. M. SULLIVAN, M.D., F.R.C.P.S.K.

Materia Medica, Therapeutics and Pharmacy,

A. S. OLIVER, M.D., F.R.C.P.S.K.

Theory and Practice of Medicine,

THOMAS M. FENWICK, M.D.

Physiology and Histology,

D. PHELAN, M.A., M.D.

Obstetrics and Diseases of Women and Children,

MRS. ALICE MCGILLIVRAY, M.D.

Anatomy, Descriptive and Surgical,

W. G. ANGLIN, M.D., M.R.C.S.E., Eng.

Medical Jurisprudence and Sanitary Science,

MRS. ELIZABETH SMITH-SHORTT, M.D.

Chemistry—The Professor of Chemistry, Queen's College.

Botany—The Professor of Botany, Queen's College.

Clinical Surgery—The Professor of Surgery.

Clinical Medicine—The Professor of Medicine.

NOTE.—The following Scholarships, awarded on the results of University Examinations, are open to Students of the Womens' Medical College :—

1.—KINGSTON, given by Ladies of Kingston, \$60, Final Examination.

2.—TROUT, given by Mrs. Jenny K. Trout, M.D., Toronto, \$50, Intermediate Examination.

3.—MCNEE, given by Mrs. McNee, Kingston, \$45, Primary Examination.

# TRINITY MEDICAL SCHOOL.

AFFILIATED TO THE UNIVERSITY.

Principles and Practice of Medicine, and of Clinical Medicine,  
WALTER B. GEIKIE, M.D., C.M. ; F.R.C.S.E. ; L.R.C.P.,  
Lond. ; Dean of the Faculty.

Anatomy,  
H. ROBERTSON, M.D., C.M., M.R.C.S., Eng.

Obstetrics, Gynæcology and Diseases of Children,  
J. ALGERNON TEMPLE, M.D., C.M., M.R.C.S., Eng. ;  
Fell. Obstet. Soc., Lond.

General Chemistry and Botany,  
THOMAS KIRKLAND, M.A.

Medical Jurisprudence and Toxicology,  
C. W. COVERNTON, M.D., C.M., M.R.C.S., Eng. ; Lic.  
Soc., Apoth., Lond.

Principles and Practice of Surgery, and of Clinical Surgery,  
FRED. LE M. GRASETT, M.B., C.M. Edin. Univ. ;  
F.R.C.S., Eng. ; M.R.C.S., Eng.

Practical Chemistry, and Asst. Prof. of General Chemistry,  
W. T. STUART, M.D., C.M., Trin. Coll. and M.B. Univ.,  
Toronto.

Physiology and Histology,  
CHARLES SHEARD, M.D., C.M., M.R.C.S., Eng.

Lecturer on Ophthalmology, Otology, and Laryngology, &c.,  
G. STERLING RYERSON, M.D., C.M., L.R.C.P., LRCS.,  
Edin.

Demonstrator of Anatomy and Professor of Pathology,  
LUKE TESKEY, M.D., C.M., M.R.C.S., Eng.

Materia Medica and Therapeutics—Theory and Art of Prescribing,  
etc.,  
JOHN L. DAVISON, BA., Univ., Tor., M.D., C.M.,  
M.R.C.S., Eng.

*IV.—In Law.*

- J. Maule Machar, M.A. . . . . Lecturer on Roman Law.  
 Byron M. Britton, M.A., Q.C. . . . Lecturer on Criminal Law.  
 R. Vashon Rogers, B.A. . . . . Lecturer on Common Law.  
 G. M. Macdonnell, B.A., Q.C. . . . Lecturer on the Law of Real Property.  
 Richard T. Walkem, Q.C. . . . . Lecturer on Equity.  
 John McIntyre, M.A., Q.C. . . . . Lecturer on Medical Jurisprudence.
- 

**REGISTRAR OF UNIVERSITY COUNCIL.**

R. W. SHANNON, M.A.

**OBSERVATORY BOARD.**

The PRINCIPAL, Professor WILLIAMSON, M. FLANAGAN, Esq.

**DIRECTOR OF OBSERVATORY.**

Professor of Astronomy.

**CURATORS OF THE LIBRARY.**

Professors MARSHALL and ROSS.

**LIBRARIAN.**

REV. GEORGE BELL, LL.D.

**CURATOR OF MUSEUM.**

Lecturer on Natural Science.

**EXAMINER FOR MATRICULATION IN MEDICINE.**

REV. JAMES FOWLER.

**EXAMINERS IN GAELIC.**

EVAN MACCOLL, Esq., R. M. ROSE, Esq., REV. M.  
 MACGILLIVRAY, A.M.

**JANITOR.**

JOHN CORMACK.

## SOCIETIES AND COMMITTEES.

---

### ALMA MATER SOCIETY.

Honorary President...	Judge McDonald, Brockville.
President.....	J. C. Connell, M.A.
1st Vice-President.....	H. A. Lavell.
2nd Vice-President.....	W. J. Maxwell.
Secretary....	S. S. Burns.
Assistant Secretary.....	A. Cunningham.
Treasurer.....	F. Heap.
Critic ...	W. A. Finlay.
Committee .....	R. S. Minnes, J. F. McAmmond, Jas. Rollins.

---

### MISSIONARY ASSOCIATION.

President.....	Rev. James F. Smith.
Vice-President.....	James G. Potter.
Recording Secretary.....	Peter A McLeod, B.A.
Treasurer.....	Orr Bennet, B.A.
Corresponding Secretary.....	John D. Boyd.
Librarian.....	Neil McPherson.
Executive Committee.....	Donald Munro, John McNeil, John A. Sinclair, John F. Scott.

---

### QUEEN'S COLLEGE Y. M. C. A.

President.....	Thomas B. Scott.
Vice-President.....	Arthur W. Beall.
Recording Secretary.....	A. M. Fenwick.
Corresponding Secretary.....	T. R. Scott.
Treasurer.....	Donald Munro.
Librarian....	J. P. Falconer.

---

### ROYAL COLLEGE Y. M. C. A

President.....	Rev. James F. Smith.
Vice-President..	J. C. Connell, M.A.
Recording Secretary...	W. J. Maxwell.
Corresponding Secretary.....	Augustine Gandier.
Treasurer.....	J. B. Fraser.
Librarian.....	W. A. McPherson.
Committee.....	A. P. Chown, C. F. Mallory, John Kennedy.

**GLEE CLUB.**

President.....	Harry L. Wilson.
Vice-President ....	Harry A. Lavell.
Secretary-Treasurer.....	E. Pirie.
Instructor .....	D. Strachan.
Executive Committee .....	H. A. Percival, W. A. Cornett, F. Koyle.

---

**THE JOURNAL.**

Published in twelve numbers, during the Session, by the Alma  
Mater Society of Queen's University.

**STAFF.**

Edward Ryan, B.A....	Managing Editor.
Adam Shortt, M.A.....	Editor.

**EDITING COMMITTEE.**

R. Phalen,	A. G. Hay,
S. Chown,	W. J. Patterson,
W. S. Morden,	G. Malcolm,
P. A. McLeod,	Orr Bennet, B.A.
D. Strachan,	H. Lavell,
E. S. Griffin,	J. Muirhead,

James Minnes, Secretary-Treasurer.

---

**OSSIANIC SOCIETY.**

Patrons .....	Rev. N. McNish, LL.D., Cornwall, Rev. W. Ferguson, Kirkhill.
Bard.....	Evan McColl, Esq.
Honorary President.....	Rev. M. McGillivray, M.A.
President.....	D. D. McDonald.
First Vice-President.....	R. M. Rose
Second Vice-President.....	John A. McDonald.
Secretary.....	John D. Boyd.
Treasurer .....	A. McDonald.
Librarian.....	N. A. McPherson.
Executive Committee.....	Rev. A. B. Nicholson, Prof. Harris, Neil McNeil, M. McKenzie, B.A.



**READING ROOM.**

Curators... W. J. Drummond, D. R. Drummond, W. S. Morden, T. B. Scott, A. G. Hay, N. R. Carmichael, D. McG. Gandier.

John Findlay, B.A., in charge of Reading Room and Post Office.

**RUGBY FOOTBALL CLUB.**

Honorary President.....The Principal.  
 President .....Wm. Harty.  
 Vice-President .....W. F. Pratt.  
 Captain.....W. H. Rankin.  
 Sec-Treasurer.....J. M. Farrell,  
 Executive Committee.....W. Bain, H. H. Pirie, A. K. H. McFarlane, J. W. White, T. G. Marquis.

**ACADIAN CLUB.**

Hon. President.....Prof. Goodwin.  
 President .....T. G. Marquis.  
 Vice-President.....D. Flemming.  
 Secretary .....R. M. Phalen.  
 Treasurer.....J. G. Potter.  
 Committee .....W. J. Fowler, M.A., P. A. McLeod, B.A., D. A. Wilson, J. Falconer, E. H. Russell.

**GYMNASIUM CLUB.**

Hon. President.....Prof. Watson  
 President .....Dr. J. M. Shaw.  
 Vice-President.....J. J. MacLennan, B.A.  
 Sec-Treasurer.....Orr Bennet, B.A.  
 Instructor.....Sergt.-Major Morgans.  
 Committee .....Arts, W. J. Patterson, T. B. Scott, T. H. Farrell, J. Binnie, W. Walkinshaw, A. M. Fenwick, D. M. Gandier, J. Black. *Medicine*, E. Ryan, J. Emery. *Divinity*, J. J. Wright, B.A.

**SNOW-SHOE CLUB.**

Honorary President . . . . .	Prof. Watson.
President . . . . .	F. J. Kirk.
Inspector Impedimentorum . . . . .	H. A. Lavell.
Sec.-Treasurer . . . . .	A. Bethune.
Whipper-in . . . . .	J. W. Muirhead.

---

**ATHLETIC ASSOCIATION.**

Honorary President . . . . .	Prof. Watson.
President . . . . .	J. M. McLean.
Vice-President . . . . .	F. Koyle.
Sec.-Treasurer . . . . .	E. Ryan, B.A.

**COMMITTEE.**

Gymnasium Club . . . . .	A. Gandier.
Rugby Foot-Ball Club . . . . .	W. H. Rankin.
Snow-Shoe Club . . . . .	J. A. Minnes.

## *BENEFACTIONS.*

### BEQUESTS AND SPECIAL ENDOWMENTS.

St. Andrew's Church Ladies' Association, Toronto—Scholarship.....	\$ 342 85
Ladies of Kingston—Scholarship.....	317 86
His Royal Highness THE PRINCE OF WALES—Prize.....	800 00
The late JOHN MOWAT, Kingston—Scholarship. ....	800 00
The late JOHN ALEXANDER LEWIS, Mono—Prize.....	400 00
The late GEORGE MICHIE, Toronto .....	2000 00
The late EDWARD H. HARDY, Kingston .....	400 00
MRS. GLASS, Sarnia, for HENRY GLASS Memorial Scholarship.....	500 00
A Gentleman in New Brunswick—Dominion Scholarship	1000 00
Friends of the late PRINCIPAL LEITCH—Memorial Scholarships .....	2433 33
The late REV. ALEXANDER BUCHAN, Stirling—Scholarship.....	3000 00
The late MRS. MARGARET W. McINTYRE, Perth—Scholarship.....	400 00
The late JOHN WATKINS, Kingston—Elocution Lecture-ship.....	4000 00
The late John Watkins, Kingston—Scholarship .....	1300 00
DAVID STRATHERN DOW, Toronto—Scholarship.....	1500 00
The late ROBERT SUTHERLAND, B.A., Walkerton .....	9958 00
The late ALEXANDER RANKIN, Leamington, England—Scholarship .....	930 00
The late ALEXANDER SPENCE, D.D., Ottawa .....	3427 00
“ “ “ “ Scholarship.	1000 00
The late JAMES MICHIE, Toronto .....	4000 00
The late DAVID GREENSHIELDS, Montreal.....	5000 00
JOHN S. MACDONALD, Fond Du Lac, Wis., Bursary.....	1500 00
Hon. JUDGE GOWAN, Barrie—Scholarships in Science and Law.....	836 00
MRS. NICHOLS, Peterborough.....	1000 00
FORBES MCHARDY, Toronto, Scholarship ... ..	500 00

## ANNUAL AND OTHER CONTRIBUTIONS

A Friend, Kingston—Cataraqui Scholarship.....	\$ 50 00
Session of St. Andrew's Church, Toronto—Scholarship....	100 50
REV. J. CARMICHAEL, W. King—Prize.....	25 00
R. ANDERSON, Montreal—Scholarships....	100 00
HUGH McLENNAN—Prize.....	25 00
A. GUNN—Scholarship....	100 00
W. NICKLE—“	50 00
M. C. CAMERON, Goderich—Gælic Scholarship.....	60 00
Mackerras Memorial Prize—Williamstown Congregation..	25 00
JOHN CARSON—Medal.....	40 00
J. CARRUTHERS—Medals....	80 00
THE CHANCELLOR—Medal..	40 00
“ “ Prizes ..	100 00

---

ENDOWMENT FUND.

In connection with the endowment scheme, begun in January, 1869, and also with the building and endowment scheme, begun in May, 1878, paid subscriptions secure privileges, according to the following regulations :—

1.—A donor of \$500 founds a SCHOLARSHIP bearing his own name, or any other which he may give it, and acquires the privilege of naming *annually* one student to attend College for one session, free of class fees. On the founder's death his lineal representatives become entitled to the privilege of free attendance in the order of seniority.

2.—Donors of \$100, \$200, \$300 and \$400 may nominate, at any time during life, one, two, three, or four students respectively, to a course in Arts, free of class fees.

---

## UNUSED NOMINATIONS

(ENDOWMENT FUND OF 1869.)

- ALMONTE—J. D. Gemmill, 2; J. H. Wylie, Rev. J. Gordon, B.A.  
 ARNPRIOR—Rev. P. Lindsay, B.A.  
 BROCKVILLE—H. S. McDonald, M.A.; Rev. D. McGillivray, B.A.;  
 J. Page.  
 BUCKINGHAM—J. McLaren.  
 CHELSEA—J. Mather.  
 CORNWALL—D. B. Maclellan, M.A., Q.C.; D. E. McIntyre.  
 DUNDAS—T. Wilson.  
 GALT—Rev. J. B. Muir, M.A.; W. Osborne.  
 GEORGINA—Rev. D. P. Niven, B.A.  
 GUELPH—J. Massie, C. Davidson, D. Allan.  
 HAMILTON—Mrs. G. H. Gillespie, A. Turner.  
 HAWKESBURY—A. Urquhart.  
 KINGSTON—F. Fowler, M.D.; O. S. Strange, M.D., 2; Hon. J.  
 Patton, A. Livingstone, J. O'N. Ireland, L. Clements, J. Neish, M.D.;  
 Wm. Irving, Jun., J. McKelvey, R. White, W. Robinson, ex-M.P.P.,  
 Alex. F. Macpherson.  
 LACHINE—J. P. Dawes, T. A. Dawes, C. Esplin,  
 LANARK—A. Caldwell, 2; J. McIlquham.  
 LONDON—J. Wright.  
 LONDON, ENG.—Sir John Rose, 4.  
 MARKHAM—G. Miller, Rev. J. S. Eakin, B.A.  
 MIDDLEVILLE—W. Croft, A. Campbell.  
 MILTON—J. Sproat.  
 MONTREAL—T. Paton, 2; R. Leckie, 2; Mrs. Law, sen., J. Bin-  
 more, A. McGibbon, A. Ogilvie, A. Walker, J. Drummond, (Petite  
 Cote), W. Christie, J. Frazer (Drummond Street), R. Kerr, W. Reid,  
 J. S. Hunter, W. Darling, F. P. Currie, L. Esdaille, J. C. Watson,  
 H. McKay, J. Frazer, A. Friend, J. Lillie, J. Hickson, Mrs. C. Low,  
 D. A. Smith.  
 NOTTAWASAGA—Rev. A. Macdonald, B.A.  
 E. NOTTAWASAGA—Rev. D. McDonald, M.A.  
 OSNABRUCK—W. Colquhoun.  
 OTTAWA—W. Clegg, J. Gordon.  
 PERTH—J. Wilson, T. Mansfield, Rev. T. Hart, M.A., B.D.  
 SCARBOROUGH—J. Ferguson, T. Davidson, R. Davidson, J. Laurie.

SMITH'S FALLS—R. Hunter.

THORAH—J. Murray, J. Proctor, A. Hamilton, W. Ritchie.

TORONTO—G. H. Wilson, I. C. Gilmour.

TOSSORONTO—J. Cumberland.

VAUGHAN—J. Grahame, T. Grahame.

WATERDOWN—A. Brown.

W. KING—D. McMurphy.

WHITBY—M. Thwaite.

E. WILLIAMS—Rev. R. Chambers, B.A. ; A. Elliott.

*Endowment and Building Fund of 1878.*

ALEXANDRIA—Rev. James Cormack, B.A.

BARRIE—Mrs. Shortreed.

BATH—R. Kennedy, M.D.

BELLEVILLE—Alexander Sutherland, Judge Lazier, A. G. Northrup, Thomas Ritchie, R. Thompson, S. S. Lazier and wife.

BRANTFORD—J. H. Osborne, J. S. Nichol, C. Cleghorn, A. Robertson.

BROCKVILLE—Hon. W. J. Christie, H. S. Macdonald, T. Gilmour.

BURLINGTON—John Waldie.

CAMDEN EAST—James S. Hayden.

CAMPBELLFORD—Walter Govan.

CARLETON PLACE—Jos. Gillies.

CHATHAM, ONT.—Hugh Neilson, D. McKeough.

COLBORNE—William Young.

CORNWALL—W. Ross, A. G. Watson, W. Colquhoun, Jas. Dingwall, 3.

DESERONTO—John Newton, M.D.; W. R. Aylesworth, R. C. Carter.

DROMORE—Rev. D. P. Niven.

DUNDAS—J. Findlay Smith.

EAST WILLIAMS—Rev. J. Wells, D. & J. McArthur.

ERZEROUM, TURKEY—Rev. R. Chambers.

FERGUS—Adam Argo, William Castell.

FLAMBOROUGH—Wm. Clarke.

GALT—John Goldie, John Lumsden.

GANANOQUE—George Gillies, Mrs. McDonald, 3 ; James Herbison, William Byers, Miss S. Gorham.

GODERICH—James Dickson, Rev. R. Ure, D.D., M. Hutchison, D. McDonald.

GUELPH—Rev. Robert Torrance, Rev. J. C. Smith, 2 ; D. Davidson, C. Davidson, W. Brown, W. Bell, 3.

HAMILTON—John Stuart, James Walker, A. Harvey, J. A. Bruce, 2 ; R. H. Parke, J. H. Parke, James Simpson, Archibald McKellar, Rev. R. J. Laidlaw, LL.D.

HARROWSMITH—Samuel Stewart.

KINGSTON—Rybert Kent, A. F. Macpherson, Judge Price, Mrs. W. T. Scott, the Misses Doran, Miss C. J. Macaulay, T. W. Nash, R. J. Carson, 2 ; L. Clements, C. F. Gildersleeve, W. Irving, 2 ; A. P. Knight, J. M. Machar, J. Mudie, 2 ; G. Robertson & Son, W. Shannon, S. Woods, R. White, W. Breden, Mrs. Lawson, 4 ; W. Fee, S. B. Hance, Felix Shaw, R. Waldron, 2 ; Welch & Son, James Redden, William Wilson, F. X. Cousineau, Thomas Robertson, Albert C. Johnston, Thomas C. Wilson, 2 ; John McIntyre, Mrs. John McIntyre, John McKay, Mrs. John McKay, Rev. A. B. Nicholson, Abraham Shaw, Donald Fraser, J. Dunbar & Co., Rev. J. A. Allen, George Newlands, James Minnes, J. B. Walkem, R. T. Walkem, J. P. Gildersleeve, W. B. & S. Anglin, Mrs. M. Adair, E. H. Smythe, LL.D. ; Mrs. D. Ross, Henry Cunningham, W. M. Drennan, William Anglin, K. N. Fenwick, M.D. ; Mrs. F. W. Kirkpatrick, 2 ; Mrs. W. A. Lang, Mrs. Merrick, David Gibson.

KINCARDINE—James A. McPherson, 2.

KIPPEN—S. Thompson, 2 ; Robert Thompson, George Plewes.

LACHINE—J. P. Dawes, sen. ; Rev. D. Ross, B.D.

LANARK—A. G. Dobbie, T. B. Caldwell, W. Caldwell.

LINDSAY—James Watson.

LONDON—D. Macfie, A. & G. Mackintosh, J. B. Laing.

MADOC—Mrs. Wishart.

MILTON—John Sproat, Mrs. R. Murray.

MONTREAL—William Ewing, Mrs. James Fairie, D. Shaw, John Ogilvie, James Croil, G. M. Kinghorn, A. Mitchell, A. McPherson, Rev. J. S. Black, J. A. Cantlie, A. Dennistoun, A. Ewan, John Fair, 2 ; B. Lyman, H. McLennan, C. D. Proctor, R. Anderson, J. G. Bellhouse, Rev. R. Campbell, D.D., A. Moffatt, Rev. W. R. Cruikshank, A. F. Riddell, Ewan McLennan, A. A. Stevenson, Robert Forsythe, 2 ; M. Hutcheson, William Stewart.

MONTSERRAT, TRINIDAD—J. C. Cleaver, M.D.

MOUNT FOREST—Dr. C. A. Jones.

NEWBURGH—James Thompson.

ORILLIA—Dr. A. H. Beaton, W. I. Forbes, Robert Pace, Thomas Train, Peter Bertram.

ORONO—James Colville.

OTTAWA—R. C. Harris, Alex. Wallace, J. R. Blyth, J. R. Booth, C. W. Bangs, C. Cameron, James Gordon, 2 ; W. B. Smellie, A. McKellar, John Simpson, W. T. Jennings, H. G. Hopkirk, Rev. F. W. Farries, J. B. Donaldson, William Hamilton, A. H. Taylor, Jno. Roberts, R. W. Baxter, McL. Stewart, Alexander Ferguson, Thomas McKay, 3 ; W. Scott, J. J. McCracken, John Hardie, F. H. Chrysler.

OWEN SOUND—James Young, James Masson.

PAKENHAM—J. Francis.

PERTH—E. G. Malloch, James Gray, Ewen Cameron, Mrs. Weatherhead, James Gray, T. A. Hall.

PETERBORO—R. Kincaid, M.D. ; R. Hamilton.

PICKERING—Rev. J. J. Cameron.

PINKERTON—Rev. J. Mordy, M.A.

PORT HOPE—W. Williamson, W. Quay.

PORTSMOUTH—Alexander Cameron.

PRINCE ALBERT, N.W.T.—Rev. J. Sieveright, Rev. Dr. Jardine.

RENFREW—James Mann, M.D. ; James Ward.

SARNIA—W. B. Clark, D. Mackenzie, Charles Mackenzie, John A. Mackenzie, Charlotte Mackenzie, T. & J. S. Symington, Hon. A. Vidal, Mrs. J. B. Simpson.

SCARBORO—James Stirling, A. Macpherson, Rev. M. Macgillivray, M.A., 2 ; Beebe Carnaghan, Mrs. J. Green.

SEAFORTH—S. G. McCaughey, D. D. Wilson.

SEYMOUR—Thomas Hume, James Whitton.

SMITH'S FALLS—A. Clark, F. T. Frost.

STIRLING—J. Tulloch.

STONEWALL, MAN.—Henry Field.

STRATFORD—Rev. Thomas Macpherson, Rev. Thomas Macpherson & Son.

TORONTO—John Jacques, 2 ; David McGee, 2 ; John Burns, John Kerr, J. L. Blaikie, Rev. W. Caven, D.D. ; D. Coulson, W. Thompson, W. Alexander, John Bain, 2 ; W. Henderson, 2 ; A. Jardine, W. McDonald, 3 ; A. J. Robertson, J. Leys, G. B. Gordon, Rev. G. M. Milligan, D. R. Wilkie, T. McGaw, W. B. McMurrich, 2 ; Dr. W. R. Geikie.



VICTORIA, B.C.—Rev. D. Fraser, M.A., 2.

WALKERTON—Rev. George Bell, LL.D.

WHITBY—Thomas Dow, Rev. K. MacLennan, M.A.

WILLIAMSTOWN—M. F. McLennan, Rev. A. McGillivray, Alex. J. Grant, William Campbell, John A. McDonald.

## FOUNDERS OF SCHOLARSHIPS.

(ENDOWMENT FUND OF 1869.)

Allan, (Andrew) 2	Montreal.
Allan, (Sir Hugh) 3 *	Montreal.
Bell, (John) *	Toronto.
Bronson, (H. F) †	Ottawa.
Bronson, (E. H.) †	Ottawa.
Buntin, (Alex) 2 †	Montreal.
Cameron, (John A.) †	Summerstown..
Campbell, (Sir A.) †	Ottawa.
Carruthers, (John) 2	Kingston.
Cluness, (W. R.) 2 †	Sacramento, Cal.
Crawford, (Alex.)	Montreal.
Currier, (J. M.) *	Ottawa.
Dennistoun, (Judge) 2	Peterboro'.
Dennistoun, (James) *	Peterboro'.
Doran, (Michael) 2	Kingston.
Fleming, (Sandford) †	Ottawa.
Fulton, (Alex. T.) †	Toronto.
Gillies, (John)	Carleton Place.
Gilmour, (Allan) 2 †	Ottawa.
Gordon, (Rev. D. M.)	Ottawa.
Grant, (Sir J. A.) M D.	Ottawa.
Greenshields, D. J.) *	Montreal.
Hardy, (Edward H.) *	Kingston.
Johnstone, (James) † *	Montreal.
Kinloch, (William) †	Montreal.
Law, (David) †	Montreal.
Mackerras, (Prof.) *	Kingston.
MacLennan, (James)	Toronto.
Macpherson, (Sir D. L.)	Toronto.
Macpherson, (Allan) *	Kingston.
Malloch, (Mrs. Edw.)	Ottawa.
McGillivray, N. J.)*	Montreal.
Macnee, (James)*	Kingston.
Michie, (James) 2 *	Toronto.

\* Deceased.

† Nomination reserved.

Morris, (Hon. A.)	Toronto.
Morrison, (John) †	Montreal.
Mowat, (Prof) †	Kingston.
Muir, (Robert) †	Montreal.
Murray, (Prof)	Montreal.
Paton, (John) †	New York.
Perth, (A friend) †	Perth.
Rankin, (John) 2 †	Montreal.
Reekie, (J. R.) *	Montreal.
Sheddon, (John) *	Toronto.
Smith, (John) *	Montreal.
Snodgrass, (Principal) 2	Kingston.
Stephen, (Sir George) 2	Montreal.
Stewart, (Mrs. W.)	Ottawa.
<b>Thomas McKay</b> , 2 † ‡	Ottawa.
Urquhart, (Alex.)	Montreal.
Williamson, (Prof.)	Kingston.
<b>William Dow</b> , 2 †	Montreal.

*(Endowment and Building Fund of 1878.)*

Allan, (A.)	Montreal.
Aitken, (Mrs. Mary)	Montreal.
Armour, (John)	Perth.
Beardmore, (W. D.)	Toronto.
Bell, (John)	Belleville.
Blair, (James A.)	London.
Breck, (L. H.)	Garden Island.
Breden, (John)	Kingston.
Bronson, (H. F. & E. H.) 2	Ottawa.
Caldwell, (W. C.)	Lanark.
Calvin, (D. D.) *	Garden Island.
Cameron, (M. C.)	Goderich.
Carruthers, Gunn & Co., 10	Kingston.
Cartwright, (Sir R. J.)	Kingston.
Cross, (A. J.)	Montreal.
Dawes, (T. A., sen.) 2	Lachine.
Doran, (M.) 2	Kingston.
Dow, (D. S.) 2 *	Whitby.
Drummond, (A. T.)	Montreal.
Dupuis, (Prof. N. F.)	Kingston.
Dupuis, (T. R., M.D.)	Kingston.
Fenwick, (G. S.)	Kingston.
Ferguson, (Rev. G. D.)	Kingston.
Friend, 4	Montreal.
Friend	Montreal.

\* Deceased- † Nomination reserved. ‡ Memorial Scholarships.

Friend .....	Montreal.
Gillies, (John) 2 .....	Carleton Place.
Gilmour, (A.) and Friend, 10 each .....	Ottawa.
Gordon, (Rev. D. M.) 2 .....	Ottawa.
Grant, (Principal) 5 .....	Kingston.
Hay, (R.) 2 ..	Toronto.
Henderson, (P. R.) .....	Kingston.
Hendry, (Mrs. Thomas) .....	Kingston.
Jenkins, (Rev. John. D.D., LL.D.) .....	Montreal.
Johnstone, (J.) * .....	Montreal.
Leggat, (M.) .....	Hamilton.
Kirkpatrick, (G. A.) .....	Kingston.
Macdonnell, (G. M.), 2 .....	Kingston.
Macdonnell, (Rev. D. J.), 2 ..	Toronto.
Macdonnell, (J. M.) 2 * .....	Winnipeg.
MacLennan, (James) 5 ..	Toronto.
MacLennan, (D. B.) .....	Cornwall.
MacLennan, (D. M.) .....	Lancaster.
Macnee, (James) * .....	Kingston.
McBean, (A. G.) ..	Montreal.
McCulloch, (H.) .....	Galt.
McHardy, (F.) * 2 ..	Toronto.
McLennan, (John) .....	Lancaster.
McPherson, (Sir D. L.) .....	Toronto.
McRae, (W. R.) .....	Kingston.
Malloch, (A. E., M.D.) .....	Hamilton.
Meighen, (Family) ..	Perth.
Michie, (James) 10 * ..	Toronto.
Moore, (V. H., M.D.) ..	Brockville.
Morris, (Hon. A.) .....	Toronto.
Morrison, (J. L.) ..	Toronto.
Mowat, (Prof.) ..	Kingston.
Murray, (Mrs. and Misses) .....	Cote St. Antoine.
Mylne, (Rev. S.) .....	Smith's Falls.
Nichols, (Mrs.) 2 .....	Peterboro'.
Nickle, (W.) .....	Kingston.
Rathbun, (Messrs.) ..	Deseronto.
Richardson, (James) ..	Kingston.
Rogers, (R. V.) .....	Kingston.
Schultz, (Dr.) 3 ..	Winnipeg.
Smith, (Sir Donald A.) 2 .....	Montreal.
Smith, (Rev. T. G.) .....	Kingston.
Spreuil, (The Misses) 2 ..	Toronto.
Stephen, (Sir George), 10 ..	Montreal.
Williamson, (Prof.) 2 .....	Kingston.

\* Deceased.

# **DONATIONS TO THE LIBRARY.**

*January 1st, 1887, to January 1st, 1888.*

- British Government—242 vols. Records, Chronicles, &c.
- United States Government—9 vols. and many Pamphlets.
- Dominion Government—26 vols.
- Ontario Government—Statutes.
- Royal Society of Canada—1 vol. Proceedings.
- Cape of Good Hope Government—2 vols. and Statutes, Reports, &c.
- New Zealand Government—22 vols.
- Victoria Government—Year Book, Reports, &c.
- New South Wales Government—Statutes, Reports, &c.
- Institution of Civil Engineers—5 vols. Proceedings.
- Royal Colonial Institute—1 vol. Proceedings.
- Church of Scotland—2 vols. Reports of Schemes, &c.
- New York Government—1 vol.
- New Brunswick Nat. Hist. Soc.—1 vol.
- Royal Physical Society—1 vol.
- Alma Mater Society—1 vol.
- William Henderson, Toronto—37 vols., including a complete set of  
the English Hansard for two centuries.
- The Chancellor—15 vols. Greek Liturgical Works.
- MacLeod Stewart, Ottawa—13 vols.
- Miss Machar—39 vols.
- Dr. Matheson, Queensland—4 vols.
- MacMillan's, London—13 vols.
- Rev. Dr. Nish—3 vols.
- The Principal—3 vols.
- World Publishing Company—1 vol.
- Copp, Clark & Co.—1 vol.
- Geological Survey—1 vol. and maps, &c.
- N. H. Winchell—1 vol.
- Professor Goodwin—1 vol.
- Rev. S. Dobbs—1 vol.
- Rev. J. Robertson—1 vol.
- Rev. J. Bennett, D.D.—1 vol.

O. S. Wilson—N. Y. State Survey.

James Croil—1 vol.

Many Universities and Colleges, &c.—Calendars, &c.

Several Persons—Pamphlets.

### THE MUSEUM.

Upwards of 1,000 sheets of mounted plants have been added to the Herbarium, greatly increasing its value.

A collection of the Plants of Ontario, came in at Christmas, from T. G. Allen, the winner of the Gowan Prize, in accordance with the conditions on which the prize is offered.

The following donations have been received :—

Dr. Matheson, Queensland—A fine collection of articles illustrating the condition of the aborigines of Australia.

R. J. McDowal—Fossils, Sponge from Santiago, Cal., Tarantulas nest, Los Angeles.

Reginald Fowler, Amherst Island—Indian stone implements ; Section of ocean cable.

Mr. Allison, Adolphustown—Indian axe.

Mr. Kidd—Fine specimens of Celestite and Spheue.

Dr. Robert Bell, Ottawa—Polar Bear, Wolverine, Porcupine, Silver Fox.

Mrs Chisholm, Kamloops—Indian arrow heads.

Messrs. Wellington & McKenzie, Calgary—Buffalo bones.

Mr. Newlands—Ores and fossils from Adolphustown.

J. F. McFarland—Fine collection of minerals from silver mines near Port Arthur.

W. McClement—Fossils, Trenton limestone.

Dr. Neish—Large collection of West India ferns.

Rev. J. Cumberland, M A.—White owl, mounted.

Rev. Dr. Williamson—Eared owl, mounted.

### FORM OF BEQUEST.

Every person desirous of bequeathing to the University real estate or personal property, or any manuscripts, books, maps, plans, drawing instruments ; geological, botanical or other specimens, scientific

apparatus, works of art or manufacture, is requested to make use of the following form in his will :

“ I give and bequeath to the Trustees of Queen’s College at Kingston, Ont. (*here enumerate and particularize the effects and property intended to be bequeathed*), to be applied by them, in their capacity as Trustees, to the funds of the College (or to the improvement of the Library or Museum, or to the endowment of a Professorship, or to the foundation of a Scholarship or Prize), and I hereby declare that the receipt of the Treasurer of the said College for the time being, shall be an effectual discharge to my executors for the said legacy.”

*ACADEMIC YEAR.*

---

1888.

June 2—Candidates for Matriculation required to intimate in writing to the Registrar their intention of appearing for examination, and the High School at which they will appear.

The Matriculation examination in Arts will be held at the High Schools in connection with the Departmental Examinations.

Sept. 10—Notice of intention to appear at Supplementary Matriculation or Pass examinations to be given in writing to the Registrar.

“ 20—Supplementary examinations in Arts begin. (Held in Kingston only.)

Oct. 2—Classes in Arts open.

“ 6—Examination for Mowat Scholarship.

“ 16—University Day—Registration, &c.—Holiday.

Nov. 1—Matriculation examinations in Theology and Medicine begin.

“ 5—Classes in Theology open.

Dec. 22—Christmas Holidays begin.

## 1889.

Jan. 8—Classes re-open.

“ 12—Statutory Meeting of Senate.

Feb. 11—Holiday.

“ 14—Time for receiving Essays for University Prizes, for Thorburn Prize, and for Gold Medal in History expires.

March 2—Time for receiving Theses for M.D. expires.

“ 6—Holiday.

“ 29—Time for receiving Theses for M.A. and D.Sc. expires.

April 5—Class-work in Arts closes.

“ 8—Pass and Honour examinations in Arts begin.

“ 12—Class-work in Theology closes.

“ 15—Pass examinations in Theology begin.

“ 22—Statutory Meeting of Senate for conferring Degrees, &c.

“ 24—Convocation for distributing Prizes, announcing Honours and laureating Graduates.

## TIME-TABLE—Arts.

<i>Hour.</i>	<i>Monday.</i>	<i>Tuesday.</i>	<i>Wednesday.</i>	<i>Thursday.</i>	<i>Friday.</i>
9	Jun. Phil. Jun. French Sen. Math.	Jun. Phil. Jun. French	Jun. Phil. Jun. French Sen. Math.	Jun. Phil. Jun. French Sen. Math.	Jun. Phil. Jun. Fr. *Math. II.
10	Nat. Sci. Sen. Latin. Jun. Phys.	Nat. Sci. Sen. Latin. Jun. Phys. *Math. I.	Nat. Sci. Sen. Latin. Jun. Phys.	Nat. Sci. Sen. Latin. Jun. Phys.	Nat. Sci. Sen. Latin. Jun. Phys. *Math. I.
11	Jun. Greek. Jun. Germ. Sen. Greek. Chemistry. *Nat. Sci. *Math. IV.	Jun. Greek. Jun. Germ. Sen. Greek. Chemistry. *Nat. Sci. *Ma. III, IV	Jun. Greek. Jun. Germ. Sen. Greek. Chemistry. *Nat. Sci. *Math. III.	Jun. Greek. Jun. Germ. Sen. Greek. Chemistry. *Nat. Sci. *Ma. III, IV	Jun. Greek. Jun. Germ. Sen. Greek. Chemistry. *Nat. Sci.
12	Sen. Phys. Jun. Eng. Sen. Phil. *Greek. *German. *Nat. Sci.	Sen. Phys. Sen. Eng. Sen. Phil. *Greek. *German. *Nat. Sci.	Sen. Phys. Jun. Eng. Sen. Phil. *Latin. *Nat. Sci.	Sen. Phys. Sen. Eng. Sen. Phil. *Latin. *Nat. Sci.	*Phys. I. Jun. Eng. Sen. Phil. *Greek & Latin. *Nat. Sci.
2	History. Jun. Latin. *Chemistry *Phys. I.	History. Jun. Latin.	History. Jun. Latin. *Chemistry *Phys. II.	History. Jun. Latin.	History. Jun. Latin. *Chem. *Phys. II.
3	Jun. Math. *English.	Jun. Math. *History.	Jun. Math. *French.	Jun. Math. *French. *English.	Jun. Math. *French. *History.
4	Sen. French Jun. Heb.	Sen. Germ. Jun. Heb.	Sen. French Jun. Heb.	Sen. Germ. Jun. Heb.	Sen. Fr. Jun. Heb.

\*Denotes Honour Classes.



*Theology.*

- 9 A.M.—Apologetics.  
 10 “ —Third Year Hebrew and Chaldee. First and Second Year Divinity.  
 11 “ —Old and New Testament Criticism. Church History.  
 12 “ —Second Year Hebrew. Third Year Divinity.
- 

*PASS EXAMINATIONS.**Arts.*

1889.

- Monday, 8th April—French, Junior and Senior.  
 Tuesday, 9th “ —Latin, “ “  
 Wednesday, 10th “ —Natural Science.  
 Thursday, 11th “ —Philosophy, Junior and Senior.  
 Friday, 12th “ —English Literature, “  
 Saturday, 13th “ —Mathematics, “  
 Monday, 15th “ —Physics.  
 Tuesday, 16th “ —Logic and Political Economy.  
 Wednesday, 17th “ —History.  
 Thursday, 18th “ —Greek, Junior and Senior.  
 Friday, 19th “ —Chemistry.  
 Saturday, 20th “ —German, Junior and Senior.

The morning examinations begin at 10 A.M.; the afternoon at 3 P.M.

The Professors will arrange with Honour Students the dates for Honour Examinations.

---

*Theology.*

1889.


- Monday, 15th April—Apologetics.  
 Tuesday, 16th “ —Third Year Hebrew. First and Second Year Divinity.  
 Wednesday, 17th “ —Old and New Testament Criticism.  
 Thursday, 18th “ —Third Year Divinity.  
 Friday, 19th “ —Church History.  
 Saturday, 20th “ —First and Second Year Hebrew.

## *GENERAL ANNOUNCEMENTS.*

---

QUEEN'S COLLEGE has, under its Royal Charter, "the style and privileges of a University."

The Forty-Eighth Session will be opened on Tuesday, the second of October, 1888.

 A compilation of statutes and by-laws containing information for students is published separately. Copies are to be obtained from the Registrar.

**BOARDING.**—No student is allowed to board or lodge in any house not approved of by the Senate, except by permission of parents or guardians given in writing. Information as to approved houses may be obtained from the Registrar.

**REGISTRATION.**—All students are required to have their names with other particulars, entered in the University Register. At the time of Registration they must produce the Treasurer's receipt for fees. Intrants must also present a certificate of character from their minister or other competent person and sign a declaration, promising due obedience to the University authorities.

**ATTENDANCE AT CHURCH.**—All students must attend the churches to which they profess to belong, and produce certificates of attendance from their clergymen when required.

**THE LIBRARY** contains about 16,000 volumes. Students are entitled to the use of it, subject to by-laws.

**THE OBSERVATORY.**—In 1855 an Astronomical Observatory was founded by subscribers, aided by the City Corporation, and was transferred by deed to the University in 1861. Facilities are given to students for obtaining a knowledge of Practical Astronomy.

**THE MUSEUM.**—Demonstrations are given to students of Natural Science. Friendly services towards the enlargement of the Museum are solicited.

**ACADEMIC COSTUME.**—All graduates and under-graduates, when attending class or any college meeting, shall wear the costume prescribed by the University.

Each degree has its distinctive hood, as follows:—  
 B.A., black, bordered with red silk; M.A., scarlet; D.Sc., black, lined with blue, bordered with white; M.D., scarlet, bound on the edge with white; B.D., white, with crimson plush border; D.D., black, with white lining; LLB., black, bordered with white fur; LL.D., black silk, lined with blue silk.

**FEES.**—Graduation Fees must be paid before Convocation Day; examination fees before April 8th; all other fees on or before University Day, Oct. 16th.

(Nominations cover only class fees.)

The classes of Chemistry and Physics, each per session .....	\$12 00
Analytical Chemistry.....	6 00
Chemicals .....	3 00
Instruction in the Chemical Laboratory—	
For a session of 6 months.....	20 00
“       “       3       “ .....	12 00
Instruction in the Physical Laboratory, per session.....	10 00
Instruction in Natural Science Laboratory ... ..	6 00
Any other class, per session .....	6 00
Registration, &c., per session.....	7 00
“       for extra-mural students.....	10 00
Matriculation Examination.....	5 00

Pass Examination, per session.....	\$ 2 00
Graduation Fee, Doctor of Science (D.Sc.).....	50 00
“ “ Bachelor of Arts (B.A.).....	10 00
“ “ Bachelor of Laws (LL.B.).....	10 00
“ “ Doctor of Medicine (M.D.) .....	25 00
“ “ Master of Surgery.....	5 00
“ “ Master of Arts (M.A.) .....	20 00
“ “ Bachelor of Divinity (B.D.).....	20 00
Admission <i>ad eundem gradum</i> , B.A.....	10 00
“ “ “ M.A.....	20 00

## FACULTY OF ARTS.

---

### ART. I. PASS MATRICULATION.

The classes in the University are open to all. But, students proceeding to the degree of Bachelor of Arts must pass the Matriculation Examination upon the following subjects, except as hereinafter provided (see Art. III.)

---

### *Subjects of Pass Matriculation.*

#### LATIN.

Latin Grammar.

Translation of simple English sentences into Latin (involving a knowledge of Bradley's Arnold's Latin Composition, Ex. 1—40).

- |       |   |                            |
|-------|---|----------------------------|
| 1888. | { | Cicero, In Catilinam, I.   |
|       | { | Virgil, Æneid, I.          |
|       | { | Cæsar, B. G. I., 1—33.     |
|       |   |                            |
| 1889. | { | Cicero, In Catilinam, I.   |
|       | { | Virgil, Æneid, V.          |
|       | { | Cæsar, B. G. I., 1—33.     |
|       |   |                            |
| 1890. | { | Cicero, In Catilinam, II.  |
|       | { | Virgil, Æneid, V.          |
|       | { | Cæsar, Bellum Britannicum. |
- 

#### GREEK.

Greek Grammar.

Translation of simple sentences into Greek.

- |       |   |                         |
|-------|---|-------------------------|
| 1888. | { | Xenophon, Anabasis, I.  |
|       | { | Homer, Iliad, IV.       |
|       |   |                         |
| 1889. | { | Xenophon, Anabasis, II. |
|       | { | Homer, Iliad, IV.       |
|       |   |                         |
| 1890. | { | Xenophon, Anabasis, II. |
|       | { | Homer, Iliad, VI.       |

## MATHEMATICS.

*Arithmetic.*

A general knowledge of the subject to the extraction of the square root, inclusive.

*Algebra.*

The subject, as developed in any modern work, to the solution of the quadratic equation, inclusive.

*Geometry.*

Euclid, Books I., II., III., with easy deductions.

## ENGLISH.

## Grammar.

Critical reading of the following poems :

1888—Cowper, *The Task*, Books III and IV.

1889—Scott, *Lay of the Last Minstrel*.

1890—Byron, *Prisoner of Chillon* and *Childe Harold's Pilgrimage*, from Stanza 73 of Canto II. to Stanza 51 of Canto III., inclusive.

## Composition.

The subjects are taken from the following :

1888—Coleridge's *Life of Sir Alexander Ball*. (Taken from *Essays in the Friend*.)

1889—Selections from Goldsmith's *Essays: Citizen of the World*, Preface and Nos. 13, 14, 23, 26, 30, 36, 37, 49, 50, 55, 60.

1890—Selections from Addison's *Essays*. Selection : Nos. 21, 23, 26, 47, 50, 69, 93, 115, 159, 162, 169, 195, 225, 381, 387, 458, 483, 574, 583, 598.

## MODERNS, (FRENCH AND GERMAN).

*French.*

## Grammar.

Translation from English into French.

1888—Souvestre, *Un Philosophe sous les Toits*.

1889—Lamartine, *Christophe Colomb*.

*German.*

Grammar and Composition.

1888—Grimm, *Kinder-und-Hausmärchen*.

Schiller, *Der Taucher*.

or, { Hauff, *Das Kalte Herz* (from *Wirtshaus im Spessart*.  
Pitt Press Series).  
Schiller, *Der Gang nach dem Eisenhammer*.

1889—Hauff, *Das Kalte Herz* (from *Wirtshaus im Spessart*.  
Pitt Press Series).

Schiller, *Der Gang nach dem Eisenhammer*.

---

### HISTORY AND GEOGRAPHY.

Outlines of Greek History to the close of the Peloponnesian War.

Outlines of Roman History to the end of the Republic.

Outlines of English History to the present time.

Ancient Geography of Greece, Italy and Asia Minor.

Modern Geography of North America and Europe.

---

### OPTIONAL SUBJECTS.

In addition to the above, any one of the following subjects may be offered, and the marks obtained will be taken into account in determining the standing of candidates and in awarding scholarships :

#### *Physics.*

The subject as contained in Balfour Stewart's "Primer of Physics."

#### *Chemistry.*

The subject as contained in Knight's "Chemistry for High Schools."

#### *Botany.*

The subject as contained in Gray's "How Plants Grow."

---

### ART. II. HONOUR MATRICULATION.

Candidates for Honours and Scholarships will be examined on the following additional work in one or more of the matriculation subjects, as they may elect :

## LATIN.

Latin Grammar and Composition.

Translation from authors not specified.

1888. { Horace, Odes, III.  
       { Livy, B. XXII.

1889. { Horace, Odes, III.  
       { Livy, B. XXIII.

1890. { Horace, Odes, I.  
       { Livy, B. XXIII.

## GREEK.

Greek Grammar and Composition.

Translation from authors not specified.

1888. { Demosthenes, Olynthiacs.  
       { Homer, Odyssey, B. VI.

1889. { Demosthenes, Philippics, I., II.  
       { Homer, Odyssey, B. VI.

1890. { Demosthenes, Philippics, I., II.  
       { Homer, Odyssey, B. VII.

## MATHEMATICS.

A more thorough knowledge of the Pass Matriculation work,  
 and, in addition :

*Algebra.*

The subject, as developed in any modern work, to the Progressions and Binomial thereon, inclusive.

*Geometry.*

Euclid—Books, IV., VI., with deductions.

*Trigonometry.*

Definitions of the Trigonometric functions and their relation to one another. Angular measurement. Simple applications of Trigonometric relations to Triangles and other plane figures.



## ENGLISH.

Critical reading of one of Shakespeare's plays :

1888—Julius Cæsar.

1889—As You Like It.

1890—Coriolanus.

---

## MODERNS (FRENCH AND GERMAN).

*French.*

Translation from English into French.

Translation from authors not specified.

1888—Scribe, Bertrand et Raton.

1889—Scribe, Le Verre d'Eau.

---

*German.*

Translation from English into German.

Translation from authors not specified.

1888—Schiller, Egmont's Leben und Tod.

Schiller, Das Lied von der Glocke.

1889—Schiller, Belagerung von Antwerpen.

Schiller, Hero und Leander.

Schiller, Die Kraniche des Ibycus.

---

## HISTORY AND GEOGRAPHY.

English History under the Houses of Tudor and Stuart.

Geography of the British Empire, including the Colonies.

---

## OPTIONAL SUBJECTS.

Honour papers will be set in Physics, Chemistry and Botany upon the work prescribed by the Curriculum of Toronto University.

**ART. III. PROVISOS AFFECTING MATRICULATION.**

(1). Candidates may present themselves for examination in the work of the Junior classes (see p. 38) in the subjects of Latin, Greek (or its equivalent in Moderns), Mathematics, and English, without Matriculation and without attendance upon classes.

(2). Certificates of work done in other universities, will be accepted *pro tanto*.

(3). Teachers' Certificates, which are of sufficiently recent date, will be accepted *pro tanto*, according to the following scheme :

(a) Second class certificates will be accepted for Matriculation in Mathematics, English, and History and Geography.

(b) Class I, Grade *C* will be accepted :

In Mathematics, for Junior Mathematics.

In Physics, for Junior Physics, except that the candidate must pass an examination on Heat, Electricity, and either Light or Sound.

In English, for Junior English,

In History and Geography, for Matriculation.

In Latin, Greek, French and German, for the Junior class in the subject or subjects professed.

(c) Class I, Grade *A* or *B* will be accepted :

**I. MATHEMATICAL SIDE.**

In Mathematics, for Junior and Senior Mathematics, or for Honour Mathematics of the first and second years, except in the subject of Modern Geometry.

In Physics, for Junior Physics, except that the candidate must pass an examination on Heat and Electricity.

In English, for Junior English.

In History and Geography, for Matriculation.

**II. LITERATURE SIDE.**

In Mathematics, for Junior Mathematics.

In Physics, for Junior Physics, except that the candidate must pass an examination on Heat, Electricity and either Light or Sound.

In English, for Junior and Senior English.

In History and Geography, for Matriculation with Honour standing in these subjects.

In Latin, Greek, French, or German, for the Junior class in the subject or subjects professed.

### *Course of Study for the Degree of Bachelor of Arts.*

The course for students, after Matriculation, extends over four sessions. But, students who pass three of the classes named in Proviso (1) of Art. **III.** before attending College, may complete their course in three years.

A student may proceed to the degree of Bachelor of Arts by taking either the Pass course, or one of the Honour courses as hereinafter defined.

#### **ART. IV. PASS COURSE.**

The Pass course includes the following classes :

Junior Latin.	Junior Mathematics.
Junior Greek or Junior Moderns.	Junior Physics.
Junior English.	Junior Philosophy.
Senior English.	

And any four of the following, provided that two at least are Senior classes :

Senior Latin.	Chemistry.
Senior Greek or Senior Moderns.	Natural Science.
Senior Mathematics.	History.
Senior Physics.	Hebrew.
Senior Philosophy.	

The classes of the Pass course may be taken in any consistent order (see time-table, p. 26), but the Senate recommends the following :

**FIRST YEAR**—Junior Latin, Junior Greek or Junior Moderns, Junior Mathematics.

SECOND YEAR—Senior Latin, Senior Greek or Senior Moderns, Junior English.

THIRD YEAR—Junior Physics, Senior English, one subject of the optional group.

FOURTH YEAR—Junior Philosophy, the remaining subject of the optional group.

---

### ART. V. HONOUR COURSES.

*Students who intend to qualify for High School Teachers are recommended to take an Honour Course.*

Honours may be taken in a single subject, but only those students who take one of the Honour courses rank as Honour students.

There are four Honour courses, namely, Literature, Philosophy, Mathematics, Science.

#### 1. LITERATURE.

Candidates in this course must take Honours in one of the following, namely :

- (a) Latin, Greek or Moderns.
- (b) Latin or Greek, English, History.
- (c) Moderns, English, History.

Also the following subjects from the Pass course (Art. IV.) :

Junior Latin, Senior Latin, Junior Greek or Junior Moderns, Senior Greek or Senior Moderns, Junior English, Senior English, Junior Mathematics, Junior Philosophy.

#### 2. PHILOSOPHY.

Candidates in this course must take Honours in Mental Philosophy, Moral Philosophy, Political Economy. Also the subjects from the Pass course enumerated under the Honour course in Literature.

### 3. MATHEMATICS.

Candidates in this course must take Honours in one of the following, namely :

- (a) Mathematics, Practical Astronomy.
- (b) Mathematical Physics, Practical Astronomy.

Also the following subjects from the Pass course :

Junior Latin, Junior Greek or Junior Moderns, Junior English, Senior English, Junior Mathematics, Senior Mathematics, Junior Physics, Senior Physics, Junior Philosophy.

### 4. SCIENCE.

Candidates in this course must take Honours in one of the following, namely :

- (a) Chemistry, Mineralogy, and one of the three subjects mentioned under (b).
- (b) Botany, Zoology, Geology.

Also the following subjects from the Pass course :

Junior Latin, Junior Greek or Junior Moderns, Junior English, Senior English, Junior Mathematics, Junior Physics, Junior Philosophy, Chemistry, Natural Science.

These regulations apply to Matriculants of 1887-8 and thereafter. Matriculants of previous sessions may adhere to the former regulations or choose these, but cannot adopt either partially.

---

### ART. VI. EXAMINATIONS.

1. Matriculation Examinations are held annually in July and September (see p. 25).

2. Honours and Scholarships at Matriculation will be awarded on the combined results of the Pass and Honour Examinations in July ; but no candidate is eligible for a Scholarship unless he passes the examination in English.

3. Examinations upon the work of the Pass course are held annually in April and September, but on the work of the Honour courses, in April only.

4. Students taking the Pass course are not allowed to present themselves for examination upon more than three subjects in any one year, except in the first year, when they may offer the four subjects mentioned in Art. III., (1). Subjects in which a candidate has previously failed may be offered in addition.

(Honour students are not subject to this regulation.)

5. An Honour student who obtains only second-class Honours may present himself a second time for examination. But if he fails to take at least second-class Honours, he will not be admitted to the degree of B.A. without completing the Pass course.

---

#### **ART. VII. EXTRA-MURAL STUDENTS.**

1. The Senate may for special reasons allow Extra-mural Students to come up for examination upon the work of the Pass or Honour courses without attendance upon classes.

2. Such students must register before University-day (Oct. 16th), and obtain from the Registrar Class tickets in the subjects upon which they propose to be examined in the following April or September. These tickets must be forwarded at once to the Professors of the respective classes.

3. Extra-mural students must write the essays and exercises prescribed.

4. The Senate may hold an Examination in any locality on application from not less than five candidates who have complied with the above regulations.

**ART. VIII. HIGHER DEGREES.****MASTER OF ARTS (M.A.)**

1. This degree cannot be obtained until one year after the date of graduation as B.A.

2. It is conferred upon candidates who have obtained Honours in any one of the Departments of the Honour Course.

3. Candidates must offer a satisfactory Thesis upon some subject connected with their Honour Department. This Thesis must be sent in to the Registrar not later than the 29th day of March.

**DOCTOR OF SCIENCE (D.Sc.)**

1. This degree cannot be obtained until two years from the date of graduation as M.A.

2. It is conferred upon candidates who have obtained first-class Honours in any two of the Departments of the Honour Course.

3. The candidate must deliver in the University a course of at least three lectures upon some subject connected with one of his Honour Departments. These lectures must be sent in to the Senate for approbation, not later than the 29th day of March.

**DOCTOR OF LAWS (LL.D).**

This degree is honorary, and is awarded for literary, scientific or professional distinction.

## SUBJECTS OF STUDY.

---

### LATIN.

#### *Junior Class.*

Latin Grammar and Composition.

Translation from authors not specified.

1888-89. Livy, B. XXIII.

Horace, Odes, B. I.

1889-90. Livy, B. XXI.

Horace, Odes, B. I.

#### *Senior Class.*

Cicero, Philippic, II.

Virgil, Æneid, B. XI., XII.

Latin Grammar and Composition.

Translation from authors not specified.

### HONOURS.

*Candidates for Honours, who have taken Honours in Latin at Matriculation, are not required to take the Junior Class.*

Tacitus, Annals, B. I.

Livy, B. XXI.

Cicero, De Natura Deorum, B. II.

Philippic I.

Philippic II.

Philippic XIV.

Pro Ligario.

Pro Murena.

Lucretius, B. III.

Virgil, Æneid, B. VII., VIII., IX., X., XI., XII.

Plautus, Trinummus.

Terence, Phormio.

Horace, Odes and Satires.

Juvenal, Satires III., VII., VIII., X.

Latin Grammar and Composition.

Translation from authors not specified.

#### *Books Recommended.*

Cruttwell's Roman Literature.

Peile's Etymology.



Papillon's Comparative Philology.  
 Wordsworth's Fragments and Specimens of Early  
 Latin.  
 Allen & Greenough's Latin Grammar.

---

### GREEK.

#### *Junior Class.*

Greek Grammar.  
 Greek Composition (Text-book : *Fletcher and Nicholson's Elementary Greek Prose Composition.*)  
 Translation from authors not specified.  
 1888-89. Demosthenes, Philippics, I., II.  
                   Homer, Odyssey, B. VII.  
 1889-90. Xenophon, Cyropaedia, B. I.  
                   Homer, Odyssey, B. VII.

#### *Senior Class.*

Thucydides, B. III.  
 Sophocles, Oedipus Rex.  
 Greek Grammar and Composition.  
 Translation from authors not specified.

### HONOURS.

*Candidates for Honours, who have taken Honours in Greek at Matriculation, are not required to take the Junior Class.*

Herodotus, B. IX.  
 Thucydides: Two books.  
 Demosthenes, De Corona.  
 Aristotle, Ethics, B. I., II., X.  
 Plato, Republic, B. I., II., III., IV.  
 Homer, Iliad, B. VI., XVIII., XXII.  
                   Odyssey, B. VI., XII., XXI.  
 Æschylus, Agamemnon.  
                   Prometheus.  
 Sophocles : Two Plays.  
 Euripides, Medea.  
 Aristophanes, Clouds.  
 Pindar, Isthmian Odes.  
 Greek Grammar and Composition.  
 Translation from authors not specified.

*Books Recommended.*

Mahaffy's Greek Literature.  
 Goodwin's Greek Grammar.  
 Papillon's Comparative Philology.

**MATHEMATICS.****JUNIOR CLASS.***Algebra.*

Operations with Symbols and interpretation of symbolic expressions—Factoring—Symmetry—Substitution—Fractions, Ratio, and Proportion—Theory of Indices and of the Quadratic—Elimination—The Progressions—Permutations and Combinations—Binomial Theorem—Logarithms, &c.

Text-Book : Dupuis' Junior Algebra. Henderson & Co., Kingston.

*Geometry.*

Review of Euc. Bks. I. and II. Equivalents of Bks. III., and VI. and portions of Bks. IV. and V., by modern methods, including Continuity, Limits, Projection, and Geometric construction, with applications of Algebraic Symbolism and Geometric Interpretation. Elementary Geometry of Planes and Solids.

*Trigonometry.*

As given in Lock's Elementary Trigonometry, omitting certain of the more complex portions.

**SENIOR CLASS.**

*Students should take the Honour work of the first year before entering this class. (See "Honours" below).*

*Algebra.*

Determinants—Elementary Theory of Equations—Series—Development of functions—Trigonometry and Trigonometric and Circular functions—Demoivre's Theorem and its consequences.

*Elements of the Differential Calculus.**Geometry.*

Analytic Geometry of two Dimensions (Cartesian)—Synthetic Solid Geometry.

The following books may be consulted :—

Hanus' Determinants, ch. I., II.

Burnside and Panton's Theory of Equations, ch. I-III.

C. Smith's Algebra.

Todhunter's Trigonometry, or Lock's Trigonometry, 2nd part.

C. Smith's Conics.

Taylor's Calculus.

#### HONOURS.

##### *First Year.*

The work is an extension of that of the Junior class into higher parts of the subjects there dealt with.  
Also :

Modern Synthetic Geometry.

##### *Second Year.*

The Senior class in Mathematics, together with :

Modern Synthetic Geometry.

##### *Third Year.*

Differential and Integral Calculus, one variable, Williamson.

Application to Curves.

Expansion of Functions.

##### *Fourth Year.*

Differential and Integral Calculus (Williamson).

Physical and Geometrical applications.

Gamma functions and other definite Integrals.

Differential Equations.

Calculus of finite differences.

##### *Third and Fourth Years.*

- Group I. Modern methods in Analytical Geometry applied to Conics and other plane curves, including Trilinears, Invariants, Projection, and Polar Reciprocation. (Salmon's Conics.)  
Spherical Trigonometry and Spherical Astronomy, Probabilities, Theory of Numbers.
- Group II. Analytic Geometry of three dimensions.  
Determinants.  
Quaternions (Kelland and Tait).  
Theory of Equations (Burnside and Panton).

The following books may be consulted :—

Casey's Sequel to Euclid.  
 Edwards' Differential Calculus.  
 Forsyth's Differential Equations.  
 Aldis' Solid Geometry.  
 Salmon's Geometry of three dimensions.  
 Salmon's lessons in Higher Algebra.

Groups I. and II. will be taken in alternate years.  
 Group I. in session 1888-9.

Examinations will be held at the close of each session upon all the Honour work allotted to that session.

With respect to the alternating groups, papers will be set in any year only upon the group belonging to that year, and candidates must arrange their work so as to take these groups in consecutive years.

---

## PHYSICS.

### JUNIOR CLASS.

*Students should take the class of Junior Mathematics before entering this class.*

Lectures and Experiments are given on the following subjects :

*Dynamics (which includes those subjects commonly called Mechanics, Hydrostatics, Hydrodynamics, and Pneumatics).*

Properties of Matter : Mass—Density—Gravitation—Specific weight—Weight of gases—Molecular forces—Elasticity—Energy—Theories of Matter.

*Heat.*

Thermometry—Calorimetry (Specific and latent heats)—Hygrometry—Transference of heat (Conduction and radiation)—Dynamical theory of heat.

*Light.*

General laws of Radiant Energy—Geometrical Optics—Physical Optics—Construction and use of Optical Instruments—Spectrum analysis.

*Acoustics.*

Physical Theory of Music—Optical methods of studying vibratory motions.

*Magnetism*, with special reference to terrestrial magnetism.

*Electricity.*

Frictional Electricity — Voltaic Electricity — Thermo-Electricity — Magneto-Electricity — Electro-Magnetism— Diamagnetism—Electro Dynamics.

Applications of Algebra, Geometry, and Trigonometry to Physical and Dynamical problems. Weekly exercises are given throughout the session.

Text-book : Marshall's Introduction to the Science of Dynamics, parts I. and II.

The following books should be used in connection with the lectures :

Deschanel's Natural Philosophy.

Everett's Units and Physical Constants.

Chambers' Mathematical Tables.

Beginners will find Gage's Elements of Physics full of suggestive experiments, and more advanced students will consult with advantage Tait's recent advances in Physical Science, and Clerk Maxwell's Matter and Motion.

## SENIOR CLASS.

*Students should take the class of Senior Mathematics before entering this class.*

The work done in this class will be a continuation of that done in the Junior, with applications of higher Mathematics.

The following books are recommended :

Thompson and Tait's Natural Philosophy.

Besants' Hydrostatics.

Frost's Newton's Principia.

Tait's Properties of Matter.

Balfour Stewart's Heat.

Clerk Maxwell's Theory of Heat.

Tait's Thermodynamics.

Dupuis' Geometrical Optics.

Lloyd's Wave Theory of Light.

Taylor's Sound and Music.

Cuming's Theory of Electricity.

## HONOURS.

Students studying for Honours will have the opportunity of reading with the Professor the applications of the Higher Mathematics to Physics. A knowledge of the Differential and Integral Calculus and of Analytical Geometry of three dimensions is necessary.

The subjects taken up will be Dynamics of a Particle and of a Rigid Body, for which the student may read the following works :

Tait and Steele's Dynamics of a Particle.  
 Todhunter's or Minchin's Analytical Statics.  
 Pirie's Lessons on Rigid Dynamics.

Lectures will be given on the Dynamical Theories of Heat, Light and Electricity.

## PHYSICAL LABORATORY.

The Physical Laboratory is open daily during the session from 10 to 3 o'clock.

Instruction is given in experimentation ; and facilities are offered for studying the construction and use of Physical apparatus, and for doing independent or original work.

---

**MENTAL AND MORAL PHILOSOPHY AND POLITICAL ECONOMY.**

## JUNIOR CLASS.

The Lectures embrace :

Examination of the method of Aristotelian Logic.  
 Critical Account of Philosophical Systems.  
 Outlines of a System of Philosophy.  
 Discussion of the leading Principles of Political Economy.

Weekly exercises are required of students.

The books read in this class are :

Dewey's Psychology.  
 Jevons' Lessons in Logic.  
 Plato's Republic.  
 Rogers' Manual of Political Economy.

#### SENIOR CLASS.

This class deals with the Higher Problems of Philosophy. During the present Session the work will consist mainly of:

Study and Critical Examination of the Philosophy of Kant in its relation to English Philosophy past and present.  
 Discussion of the Principles of Psychology and Ethics.

The books read in this class are :

Watson's Philosophy of Kant in Extracts.  
 Wallace's Logic of Hegel.  
 Green's Prolegomena to Ethics.  
 Fraser's Selections from Berkeley.  
 Mill's Logic, Book III.

Students are required to write the essays prescribed.

#### PRIVATE CLASS.

This class is intended partly for the study of the work prescribed for Honours, but mainly for the independent investigation by students of Philosophical systems and theories.

#### HONOURS.

##### *Mental Philosophy.*

Candidates will be examined on the following books :

Plato's Republic and Theætetus.  
 Aristotle's De Anima  
 Descartes' Discourse on Method and Meditations.  
 Locke's Essay on the Human Understanding.  
 Berkeley's Philosophical Writings (Fraser).  
 Hume's Treatise on Human Nature, Vol. I., with Green's Introduction (Green & Grose's edition).  
 Kant's Critique of Pure Reason and Prolegomena.  
 Mill's System of Logic.

*Moral Philosophy.*

Candidates will be examined on the following books :

- Aristotle's Nicomachean Ethics.
- Spinoza's Ethics and De Intellectus Emendatione.
- Hume's Treatise on Human Nature, Vol. II., with Green's Introduction (Green & Grose's edition).
- Kant's Critique of Practical Reason (Abbott).
- Hegel's Philosophy of History.
- Maine's Ancient Law.

Familiarity with the substance of the main philosophical systems of ancient and modern times is expected.

*Political Economy.*

Candidates are required to show a thorough knowledge of the principles of Political Economy. They will be examined on the following books, although a minute knowledge of them is not expected :

- Smith's Wealth of Nations (Rogers' edition).
- Mill's Principles of Political Economy.
- Fawcett's Manual of Political Economy.
- F. A. Walker's Political Economy.
- Jevons' Money and Mechanism of Exchange.
- Cunningham's Growth of English Industry and Commerce.
- Brentano's Guilds and Trade Unions.

In addition, they are required to write an essay on Karl Marx's Capital, which must be given in to the Registrar not later than April 1, 1889.

---

**CHEMISTRY.**

Lectures and Experiments on :

- The general principles and laws of Chemistry.
- The more commonly occurring elements and their compounds.
- Crystallography.
- Organic Chemistry.

Books for consultation :

- Goodwin's Chemistry.
- Roscoe's Elementary Chemistry.
- Crum Brown's Elements of Chemistry.



## HONOURS.

The course for Honours extends over two years, and comprises lectures and laboratory work.

## LECTURES.

1888-9	{	General Chemistry.
		Chemical Technology.
		Chemical Physics.
1889-90	{	Organic Chemistry.
		Mineralogy.

## Books for consultation :

Remsen's Organic Chemistry.  
 Dana's Mineralogy.  
 Roscoe and Schorlemmer's Treatise on Chemistry.  
 Pattison Muir's Principles of Chemistry.  
 Wagner's Chemical Technology.  
 Miller's Chemical Physics.

## LABORATORY WORK.

*First Year.*

Preparation and examination of the common elements and their compounds.  
 Blow-pipe testing.  
 Qualitative analysis.

*Second Year.*

Quantitative analysis, including assaying.

The Gold Medalist in Chemistry for any year has the privilege of pursuing his studies in the Laboratory, free of charge, during the year following. He ranks as Demonstrator of Chemistry, and is expected to assist the Professor in directing the work of the junior students.

## THE LABORATORY.

The Laboratory is open from 9 to 4 o'clock on each class day, and from 9 to 12 o'clock on Saturday.

Each student is supplied with a set of apparatus, and is liable for breakage.

### Books for consultation :

Thorpe and Muir's Qualitative Analysis.  
 W. N. Hartley's Quantitative Analysis.  
 Sutton's Volumetric Analysis.  
 Crooke's Select Methods in Chemical Analysis.

### COURSE FOR STUDENTS OF MEDICINE.

The course extends over two sessions. The *first session's* work consists of experimental lectures on the principles of chemical science, with special reference to its bearing on medicine. The *second session* is devoted to the preparation and study of the more commonly occurring elements and their compounds. The student prepares and examines for himself the principal chemical substances used in medicine.

In the class of *Analytical Chemistry* systematic testing of chemical substances is taught. This class is intended to prepare the student to test the purity of drugs, &c. It may be taken during either the winter or the summer session.

### Books for consultation :

Goodwin's Chemistry.  
 Crum Brown's Chemistry.

---

### NATURAL SCIENCE.

#### *Botany.*

#### Lectures on :

Morphology of the Cell, the Tissues, and the various organs of plants.  
 Arrangements for cross fertilization.  
 Elements of plant-food.  
 Assimilation, metastasis, movements of water and gases in the plant.  
 Effects of Temperature.  
 Principles of classification.  
 Character of a number of typical orders, illustrated by the examination of specimens and Botanical Charts.

*Zoology.*

## Lectures on :

Typical specimens of every branch or large division of animals.  
Morphology, including Histology, Physiology, Mode of Nutrition, Reproduction, and Distribution of individual specimens, and the characters according to which they are classified.

The Human Skeleton.

*Geology.*

## Lectures on :

Lithological Geology.

Dynamical Geology.

Outline of the Geological History of the Globe, with special reference to the formations found in Canada.

The lectures are illustrated by specimens and diagrams.

Students are required to give in monthly essays on prescribed subjects.

## The following works must be consulted :

Huxley and Martin's Elementary Biology.

Gray's Structural Botany.

Bessey's Botany.

Packard's Zoology.

Dana's Manual of Geology.

## HONOURS.

The course extends over two years and embraces Book work and Laboratory work. Essays are required on specified subjects in every department.

*First Year.**Botany.*

A practical acquaintance with the Phænogamous Plants of Canada is required of the candidates.

## Books for reference :

Gray's Manual of Botany.

Wood's Class-book of Botany.

Candidates will also be examined on the following :

Gray's Structural Botany.  
Bessey's Botany.

*Zoology.*

Examination and comparison of skeletons of representative species from the division Vertebrata.  
Animal dissection,

Books for reference :

Jordan's Manual of American Vertebrates.  
Mivart on the Cat.  
Mivart on the Frog.  
Huxley and Martin's Elementary Biology.  
Claus and Sedgwick's text-book of Zoology.

Candidates will be examined on the following :

Packard's Zoology.  
Huxley's Vertebrata.  
Foster & Balfour's Elements of Embryology.

*Geology.*

Outlines of Physical Geography, Geology, and Palæontology.  
Examination and determination of minerals and rocks.

Books for reference :

Elisée Reclus' The Earth, The Ocean.  
Dana's Manual of Mineralogy.

Candidates will also be examined upon the following :

Page's or Geikie's Physical Geography.  
Lyell's Principles of Geology.  
Dana's Manual of Geology.  
Johnstone's Elementary Physical Atlas.

*Second Year.*

*Botany.*

Laboratory work in the examination of Phænogamous and Cryptogamous Plants.  
Distribution of plants in time and space.  
Economic Botany.  
A practical acquaintance with the Cryptogamous Flora of Canada is required of candidates.

### Books for reference :

Sach's Text-book of Botany.  
 Thome's Botany.  
 Macoun's Catalogues of Canadian Plants.  
 Lesquereux and Jones' Mosses of N. America.

### Candidates will also be examined on the following :

Bessey's Botany.  
 Gray's Botanical Text-Book, Vols. I. and II.

#### *Zoology.*

Examination and dissection of specimens.  
 Palæontological history and distribution of species.

### Books for Laboratory work :

Mivart on the Cat.  
 Wilder and Gage's Anatomical Technology.  
 Parker's Zootomy.  
 Gunther on Fishes.  
 Flower's Osteology of the Mammalia.  
 Owen's Anatomy of Vertebrata.

### Candidates will also be examined upon :

Huxley's Invertebrata.  
 Huxley's Elementary Physiology.  
 Mivart's Elementary Anatomy.  
 Wallace's Distribution of Animals.

#### *Geology.*

Examination of specimens of Rocks, Fossils, etc.  
 A Special study of Canadian Geology.

### Books for reference :

Geikie's Text Book of Geology.  
 Nicholson's Palæontology of Ontario.  
 Chapman's Synopsis of Palæontology.

The candidate will also be examined on the following :

Dana's Manual of Geology.  
 Chapman's Geology of Canada.  
 Nicholson's Palæontology.  
 Croll's Climate and Time.

**HISTORY.**

The Lectures include :

*Ancient History.*

- Early Aryan Institutions.
- A Comparison of the Greek with the Roman State.
- The Development of Greek and Roman Civilization.

*Modern History.*

- The Causes of the Fall of Rome and the Rise of New Nationalities.
- The Feudal System.
- The Rise of the Italian Republics and of the French Communes.
- The Development of the French Monarchy.
- The British Constitution.

Candidates will also be examined on the following:

- Rawlinson's Manual of Ancient History.
- Hallam's Middle Ages.

## Books recommended :

- Gladstone's *Juventus Mundi*.
- Curtius' History of Greece.
- Grote's History of Greece.
- Boeckh's Public Economy of the Athenians.
- Mommsen's History of Rome.
- Ihne's History of Rome.
- Guizot's History of Modern Civilization.
- Sir James Stephens' Lectures on the History of France.
- Taswell-Langmead's English Constitutional History.
- Guizot's History of France.

Fortnightly Essays are required.

**HONOURS.***First Year.*

Lectures on the theories and principles of Government, including a review of different systems, ancient and modern.

Candidates will also be examined on :

- Stubbs' Constitutional History of England, Vols. I. and II.

### Books recommended :

Plato's Republic.  
 Aristotle's Politics.  
 Cicero's Republic.  
 Machiavelli's Prince.  
 Hobbes' Leviathan.  
 Locke's Treatise on Civil Government.  
 Rousseau's Social Contract.

### *Second Year.*

Lectures—A Comparison of the British Constitution with other Constitutions, especially that of the United States.

### Candidates will also be examined on :

Stubbs' Constitutional History of England, Vol. III.  
 Hallam's and May's Constitutional Histories.

### Books recommended :

De Tocqueville's Democracy in America.  
 Mill's Representative Government.  
 Hare's On Representation.  
 Bagehot's Constitutional Government.  
 Jennings's Eighty Years of Republican Government in the United States.  
 Wilson's Congressional Government.  
 Fortnightly Essays are required.

---

## **RHETORIC AND ENGLISH LITERATURE.**

### **JUNIOR CLASS.**

Lectures are given on the English Language and on Rhetoric, embracing a critical review of the works of various authors in Prose and Poetry, including the following :

J. S. Mill's On Liberty.  
 Washington Irving's Alhambra.  
 Shakespeare's As You Like It.

## SENIOR CLASS.

The Lectures include :

Prosody.

The Drama.

Literature of the 18th and 19th centuries.

Books recommended :

Max Mueller's Science of Language.

Marsh's Lectures on the English Language.

Maetzner's English Grammar.

Craik's English Literature.

Taine's English Literature.

Gervinus' Commentaries on Shakespeare.

Dowden's Shakespeare's Mind and Art.

Hudson's Shakespeare's Life, Art, and Characters.

Ayres' Verbalist.

Hodgson's Errors in writing English.

Weekly Essays are required in each class.

## HONOURS.

*First Year.*

Marsh's Anglo-Saxon Grammar.

Thorpe's Analecta Anglo-Saxonica.

Chaucer's Prologue—Knight's Tale and Nonne's Prestes Tale, Spenser's Faerie Queene, Books I and II.

*Second Year.*

Beowulf.

Milton's Ode on the Nativity, Il Penseroso and L'Allegro.

Dryden's Ode on St. Cecilia's Day.

Lectures on the Teutonic Sagas.

---

**MODERNS---French and German.**

Translation from authors not specified forms part of the work in all classes and examinations of this department.

Fifteen minutes are given in every class to oral practice in French and German.



The Modern Language Society meets twice a week for more extended practice in the conversational use of these languages. Attendance at these meetings is compulsory on students in Honours.

# FRENCH.

## *Junior Class.*

Grammar. Composition.  
 Erckmann-Chatrian, L'Ami Fritz.  
 Racine, Alexandre le Grand.  
 Primer of French Literature (Saintsbury).

## *Senior Class.*

Louis XIV and his contemporaries (Clarendon Series).  
 Moliere, L'Avare.  
 Corneille, Cinna.  
 Composition.  
 History and Etymology of the French Language.

# GERMAN.

## *Junior Class.*

Otto's German Grammar. Composition.  
 Immermann, Der Oberhof. (Pitt Press Series).  
 Schiller, Don Carlos.  
 Outlines of the History of German Literature. (Helen Conant).

## *Senior Class.*

Composition. History of the Language.  
 Lessing, Nathan der Weise.  
 Schiller, Thirty Years War, B. II.

# HONOURS.

## *French..*

The course in Honours extends over two years.

Voltaire, Zaïre.  
 Corneille, Pompée, Le Menteur.  
 Racine, Andromaque, Mithridate.  
 La Fontaine, Fables  
 Balzac, Eugenie Grandet.  
 Molière, Le Bourgeois Gentilhomme, L'Avare, Le Médecin malgré lui, Le Misanthrope, Le Mariage forcé.  
 Hugo, Hernani, Ruy Blas, Lucrèce Borgia, Les Ballades, Les Orientales, Bug Jargal, Notre Dame de Paris.

About, La Fille du Chanoine, La Mère de la Marquise.  
 Beaumarchais, Le Barbier de Seville.

Mérimée, Columba.

Saintsbury, French Lyrics.

Bartsch, Chrestomathie de L'Ancien Français.

History of French Literature.

Composition.

Littré, Histoire de la Langue Française (Selections).

Diez, Grammaire des Langues Romanes (Selections).

*German.*

Chamisso, Peter Schlemihl.

Schiller, Wallenstein, Selected Ballads (Simonson), Thirty  
 Years War, B. III.

Goethe, Tasso, Faust, Part I., Leiden des jungen Werthers,  
 Dichtung und Wahrheit, Bks. I., II., III.

Lessing, Emilia Galotti, Minna von Barnhelm.

Wackernagel, Kleineres Altdeutsches Lesebuch (Selections).

Schleicher, Deutsche Sprache.

Composition.

Gostwick and Harrison's Outlines of German Literature.

## *FACULTY OF LAW.*

---

### **MATRICULATION.**

1. The Matriculation examination is the same as the Matriculation in Arts.

2. The course of study for students who have passed the Matriculation examination, extends over four sessions; but for students who pass three of the subjects named under Proviso 1, Art. III., and also an examination on Taswell-Langmead's Constitutional History, the course extends over only three sessions.

### **DEGREE OF LL.B.**

The subjects of study are as follows :

- Junior Latin.
- Senior Latin.
- Junior Mathematics.
- Junior Physics.
- Junior French.
- Senior French.
- Junior Philosophy and Political Economy.
- English Literature.
- History.
- { Roman Law and
- { Constitutional Law and History.
- The Law of Real Property.
- Equity.
- Common Law.
- Criminal Law and Medical Jurisprudence.
- Commercial Law.

3. The candidate for graduation must in each session pass an examination upon the subjects in Arts he has studied, but he is not allowed to present himself for examination upon more than three of those subjects at one time, unless he has previously failed in some subject.

4. He must also pass an examination in the last year of his course, on all the professional subjects prescribed.

### **CURRICULUM OF LAW FACULTY.**

The legal studies for the degree of LL.B. extend over three sessions.

Every candidate must have regularly attended the classes prescribed in Constitutional History, Criminal and Commercial Law, Common Law, Real Property Law, Equity, Roman Law, and Medical Jurisprudence, throughout his course.

Any graduate in Arts of Queen's University, who is also a Barrister-at-Law, will be admitted to the degree of LL.B. upon passing an examination to be prescribed by the Faculty.

### **COURSE OF INSTRUCTION.**

1. *Constitutional History*.—Two lectures a week. Text-books recommended—Stubbs' *Constitutional History*; Hallam's *History of British Constitution*; Taswell-Langmead's *English Constitutional History*.

2. *Criminal and Commercial Law*.—One lecture a week. Text-books recommended—Smith's *Mercantile Law*; Blackstone's *Commentaries*, Vol. IV.; Russell on *Crimes*; Harris' *Criminal Law*.

3. *Roman Law*.—One lecture a week during the second and third years. Text-books—Justinian (Sanders' edition), or Tomkins and Jenckens' *Compendium of Roman Law*; Kent's *Commentary on International Law*, or Wheaton's *International Law*.

4. *Common Law*.—Two lectures a week. Text-books—*First year*, Smith's *Manual of Common Law*, and Blackstone's *Commentaries*, Vol. I. *Second and third years*, Smith and Pollock on *Contracts*. Underhill on *Torts*.

5. *Medical Jurisprudence*.—Two lectures a week during the third year. Text-book—Taylor's *Medical Jurisprudence*.

6. *Real Property*.—One lecture a week during first year. Text-book—Williams on *Real Property*. During second and third years, two lectures a week. Text-books—Leith's *Blackstone*; Dart's *Vendors and Purchasers*.

7. *Equity*.—One lecture a week during first year; two lectures a week during second and third years. Text-books—Smith's Manual of Enquiry; Snell's Principles of Equity; Taylor's Equity Jurisprudence.

Prizes will be given to the students of the first year, standing first and second at the written examinations, at the close of the session.

Graduates in Arts, being Barristers-at-Law, will be admitted to the degree of LL.B. upon passing an examination on the following subjects:—Taswell-Langmead's English Constitutional History; May's Constitutional History; Russell on Crimes; Justinian's Institutes (Sanders' edition); Tomkins and Jenckens' Compendium of Roman Law; Wheaton's International Law; Pollock on Contracts, Underhill on Torts; Dart's Vendors and Purchasers; Snell's Principles of Equity; Taylor's Equity Jurisprudence; Maine's Ancient Law.

Candidates are required to send notice to the Registrar of their intention to attend this examination by the 20th day of March.

## *FACULTY OF THEOLOGY.*

---

### **MATRICULATION.**

Matriculation and B.D. examinations begin on Thursday, 1st November.

Candidates must give notice to the Secretary of the Faculty on or before 27th October.

Fee for Matriculation Examination \$2.00.

Entrants to the study of Theology must present a certificate from the Presbytery within whose bounds they have resided during the summer respecting their moral and religious character, and their general fitness to study for the ministry.

The prescribed order of classes must be observed by all students who are candidates for Testamurs or the degree of Bachelor of Divinity.

#### *Subjects of Examination :*

1888-89. Westminster Confession.

Hill's Lectures, Book I.

Acts 1-12, in Greek and English.

Examination in Hebrew on Regular Verb and Pronouns, and on the translation and analysis of Gen. XXXII.

---

### *Subjects of Study.*

#### **I.—DIVINITY.**

Lectures will be given on :

Comparative Religion.

Biblical Introduction.

The Inspiration and Authority of the Scriptures.

Systematic Theology.

The Pastoral Office, and Homiletics. Prelections and examinations on Hill's Lectures in Divinity.

**II.—HEBREW AND CHALDEE.***First Year.*

Wolfe's Hebrew Grammar.  
 Gen. XXXIII.  
 Job I., II.  
 Jonah I., II.  
 1 Sam. VI.  
 Ps. LVII.—LXIX.

*Second Year.*

Gesenius' Hebrew Grammar.  
 Deut. VI.  
 Prov. XIV., XV.  
 Jer. XXIII., XXIV.  
 Is. IX., X.  
 Ps. XCVIII.—CXI.

*Third Year.*

Gesenius' Hebrew Grammar.  
 Winer's Chaldee Grammar.  
 Job. XXXVIII.  
 Hosea V., VI.  
 Is. XL.—XLIV.  
 Ps. XLIII—LXX.  
 Dan. II., III., VII.

**III.—APOLOGETICS.**

Lectures on Fundamental Apologetics, Butler's Analogy, Part II.

**IV.—BIBLICAL CRITICISM.**

Old Testament Exegesis—Isaiah XXXVI.—XXXIX. Jer. XXX., XXXI. Gen. II.—XIII. Septuagint. Lectures.

New Testament Exegesis—Gal., Eph., Phil., Col., I. and II. Thes., I. and II. Tim., Titus, Philem., Heb., Jas. Lectures on Introduction and Criticism.

**V.—CHURCH HISTORY.**

## THE MIDDLE AGES.

The Church requires the following discourses to be delivered during the Course:—Homily; Lecture and Greek Exercise; Sermon and Hebrew Exercise.

**PASS EXAMINATION.**

On the work of the Session.

---

**DEGREE OF BACHELOR OF DIVINITY.**

## REGULATIONS.

1. Candidates for the degree of Bachelor of Divinity (B.D.) must be Graduates in Arts of this University, or of a University whose degrees are recognized by the Senate.

2. The degree shall not be conferred until the Candidate has completed his theological curriculum, with a view to the ministry in the Church to which he belongs, and has passed a satisfactory examination in the branches of Theology taught in the University.

3. The subjects of examination shall be in two departments: the first embracing—(1) Hebrew and Chaldee, (2) the Evidences of Religion, Biblical Introduction and the inspiration of Scripture; the second embracing—(1) Church History, (2) Biblical Criticism, (3) Systematic Theology.

4. Candidates who have completed the theological course may be examined in either of these departments, and may defer their examination in the other department, provided there be not a greater interval than two years between their two examinations.

5. Students who have completed all the sessions but one, of their theological course, may be admitted to examination in the first department.

6. A candidate may, subject to the preceding regulations, appear at any University examination in Theology, provided he gives two weeks notice of his intention, to the Registrar.

7. When a student, who is a candidate for the degree shall obtain at a pass examination, on any subject, two-thirds of the marks allotted to the subject, he may, on recommendation of the examiner, be exempted from further examination on that subject.

#### *Subjects of Examination.*

##### DEPARTMENT I.

1. Evidences of Religion, Biblical Introduction, Inspiration of Scripture.

2. Hebrew, Isaiah xl—lxvi. Chaldee, Daniel ii., iii., vii.



## DEPARTMENT II.

1. *Church History*—Centuries i.—iii. ; the Reformation ; the Church in Scotland.

2. *Biblical Criticism*—Epistle to Romans in Greek ; Biblical Hermeneutics ; Hammond's Textual Criticism of New Testament ; Introduction to Pentateuch and Gospel of John ; the Latter Prophets in LXX.

3. *Systematic Theology*—Person of Christ, Doctrine of Sin, Doctrine of the Atonement, Justification, Work of the Holy Spirit.

The following books may be consulted :

Paley's Evidences.

Butler's Analogy.

Flint's Theism and Anti-Theistic Theories.

Mozley's Bampton Lectures on Miracles.

Farrar's History of Free Thought.

Trench on the Miracles (preliminary essay).

Westcott on the Canon of the New Testament.

Briggs' Messianic Prophecy.

Dorner on the Person of Christ.

Liddon's Bampton Lectures on Our Lord's Divinity.

Tulloch on the Christian Doctrine of Sin.

Crawford on the Atonement.

Anselm's Cur Deus Homo.

Hill's Lectures in Divinity.

Christian Dogmatics (Van Oosterzee's and Martensen's).

Keil on the Old Testament, and Bleek on the New Testament.

Killen's Old Catholic Church.

Fisher's History of the Reformation.

Biblical Hermeneutics (Elliott & Harsha).

## *GRADUATION IN MEDICINE.*

---

The degree of Doctor of Medicine (M.D.) is conferred upon candidates who comply with the following regulations :

1. Except as provided in the next regulation, every candidate must pass a matriculation examination upon the following subjects :

English Grammar and Composition.

Arithmetic.

Algebra, to the end of Simple Equations.

Geometry, first two books of Euclid.

Latin, as at Matriculation in Arts, or a full equivalent.

Options, one of which must be taken : Either Natural Philosophy, as in Stewart's Physics, or one book in Greek, French or German.

2. Graduates from a recognized University are not required to pass the above Matriculation examination ; and the matriculation of the college of Physicians and Surgeons of Ontario, or of Quebec, will be accepted by this University.

NOTE.—As the Royal College of Physicians and Surgeons (England) requires Physics in Matriculation, those intending to take its degree should pass in Stewart's Physics.

Candidates desiring to be registered by the Medical Council of Ontario, must pass the Matriculation in Arts.

3. Candidates who are not graduates in Arts must furnish evidence of having attended some recognized Medical School for not less than four full sessions, and must pass all the required examinations.

Candidates who are graduates in Arts will be required to attend only three sessions.

### EXAMINATIONS.

4. The examinations required are a Primary, an Intermediate, and a Final.

(1) The Primary examination is upon the subjects of Botany, Theoretical Chemistry, Practical Chemistry, and Physiology. One session in Botany, two in Theoretical Chemistry, and two in Physiology are required.

(2) The Intermediate examination is upon Anatomy, Materia Medica, Medical Jurisprudence and Histology, and is open to students only at the close of their third session. Two sessions in Medical Jurisprudence, in Anatomy, and in Materia Medica are required. Students who are graduates in Arts are allowed to take the Intermediate and the Primary examinations at the same time.

(3) The Final examination is open to students at the close of their course, and is upon Practice of Medicine, Surgery, Midwifery, and Sanitary Science. Two sessions' attendance upon each is required.

A candidate cannot be admitted to any of the foregoing examinations, until he has furnished satisfactory evidence of having complied with the regulations in regard to Matriculation.

### PRIZES.

Besides University Prizes, Medals, etc., open to Medical students, the following Prizes are offered by the Faculty every year, viz.: Two House Surgeoncies of the Kingston Hospital—six months each—and two Demonstratorships of Anatomy, value \$50 each. These prizes are awarded to the four Students making the highest number of marks at the second professional examination.

**NOTICES.**

1. The examinations of the Medical Council will be held in the City of Kingston as well as in Toronto, so that students of this College will be saved the trouble and expense of attending examinations in Toronto.

2. Persons desiring to obtain full information respecting the curriculum in Medicine, Fees, etc., should apply to the Registrar or to the President of the Medical Faculty.

## SCHOLARSHIPS.

---

### SCHOLARSHIPS IN ARTS.

No Scholarship can be obtained without attendance in the Subject or Subjects in which the Scholarship is awarded.

Any student who passes in English is eligible for a scholarship at matriculation.

Scholarships marked *close* can be held only by students having in view the ministry of the Presbyterian Church, being given by the founders upon that condition.

Scholarships awarded at matriculation are tenable during the first session, and those awarded upon sessional examinations are tenable during the following session, except *open* scholarships, gained by students in the last year of their course in Arts, which are paid at once.

Successful candidates for scholarships must make *at least* two-thirds of the number of marks allotted to the subject or subjects upon which the scholarship is awarded.

---

### I. JUNIOR MATRICULATION SCHOLARSHIPS.

#### MACKERRAS MEMORIAL.

Founded in memory of the late Professor Mackerras. Value \$100. Awarded in Latin and Greek.

#### GUNN.

Given by Alexander Gunn, Esq., Kingston. Value, \$100. Awarded for General Proficiency.

## WATKINS.

Founded by the late John Watkins, Esq., Kingston. Value, \$80. Awarded in Classics, Mathematics and English, and tenable only by candidates who have spent one year at the Kingston Collegiate Institute.

## LEITCH MEMORIAL NO. 1.

Founded in memory of the late Principal Leitch. Value, \$57. Awarded in Mathematics.

## FORBES M'HARDY.

Founded by the late Forbes McHardy, Esq., Toronto. Value, \$30, and exemption from class fees for the year. Awarded for General Proficiency.

## SENATE, NOS. 1, 2 AND 3.

These Scholarships, worth over \$100 each, are not paid in money. They exempt from Class and Registration Fees for the four years course.

## MOWAT.

Founded by the late John Mowat, Esq., Kingston. Value, \$50. Awarded after matriculation on a special oral examination on Arithmetic. Competition will take place on 6th October.

## MARION STEWART M'DONALD.

Founded by John S. McDonald, Esq., Fon du Lac., Wis. Value, \$100. Given to a deserving student or students from Glengarry Co., Ont., and awarded after the matriculation examination.

## M. C. CAMERON.

Founded by M. C. Cameron, Esq., M.P. Value, \$60. Given to the best Gælic scholar, reader or speaker.

The examination takes place after the matriculation examination.

M'NAB AND HORTON.

Awarded after the matriculation examination on the nomination of the Kirk-Session of Renfrew.

## II. SCHOLARSHIPS AWARDED ON SESSIONAL EXAMINATIONS.

### FOUNDATION NO. 1.

Value, \$50. Awarded upon the Sessional Examination in Senior Latin.

### FOUNDATION NO. 2.

Value, \$50. Awarded upon the Sessional Examination in Senior Greek.

### FOUNDATION NO. 3.

Value, \$50. Awarded upon the Sessional Examination in Junior English Literature.

### FOUNDATION NO. 4.

Value, \$50. Awarded upon the Sessional Examination in Junior Philosophy.

### FOUNDATION NO. 5.

Value, \$50. Awarded upon the Sessional Examination in Junior Physics.

### FOUNDATION NO. 6.

Value, \$50. Awarded upon the Sessional Examination in Junior Chemistry.

### NICKLE.

Given by William Nickle, Esq., Kingston. Value, \$50. Awarded upon the Sessional Examination in Natural Science.

## CATARAQUI.

Given by a friend in Kingston. Value, \$50. Awarded upon the Sessional Examination in History.

## ST. ANDREW'S CHURCH, TORONTO (CLOSE).

Given by the session of St. Andrew's Church, Toronto. Value, \$50. Awarded upon the Sessional Examination in Junior Greek.

## GLASS MEMORIAL (CLOSE).

Founded in memory of the late Henry Glass, Esq., of Sarnia, by his widow. Value, \$35. Awarded upon the Sessional Examination in Junior Mathematics.

## M'INTYRE (CLOSE).

Founded in 1876 by Mrs. Margaret W. McIntyre, Perth, Ont. Value, \$24. Awarded upon the Sessional Examination in Senior Mathematics.

*Scholarships in Theology.***I. MATRICULATION SCHOLARSHIPS.**

## DAVID STRATHERN DOW.

Founded in 1866 by David Strathern Dow, Esq., Whitby, Ont. Value, \$100.

## BUCHAN, NO. 1.

Founded in 1875 by bequest of the Rev. Alexander Buchan, Stirling, Ont. Value, \$90.

## BUCHAN, NO. 2.

Founded by Rev. A. Buchan. Value, \$75.

## BUCHAN, NO. 3.

Founded by Rev. A. Buchan. Value, \$60.



## DOMINION.

Founded in 1870 by a gentleman now resident in Nova Scotia. Value, \$70.

---

**II. SCHOLARSHIPS AWARDED AT CLOSE OF SESSION.**

## ANDERSON, NO. 1.

Given by Robert Anderson, Esq., Montreal. Value, \$50. Awarded upon the Sessional Examination in Second Year Divinity.

## ANDERSON, NO. 2.

Given by Robert Anderson, Esq. Value, \$30. Awarded upon the Sessional Examination in First Year Divinity.

## ANDERSON, NO. 3.

Given by Robert Anderson, Esq. Value, \$20. Awarded upon the Sessional Examination in Third Year Divinity.

## HUGH M'LENNAN.

Given by Hugh McLennan, Esq., Montreal. Value, \$25. Awarded upon the best Sessional Examination in Church History.

## TORONTO, NO. 1.

Founded by the Ladies' Association of St. Andrew's Church, Toronto. Value, \$30. Awarded upon the Sessional Examination in Second Year Hebrew.

## TORONTO, NO. 2.

Founded by the Ladies' Association of St. Andrew's Church, Toronto. Value, \$30. Awarded upon the Sessional Examination in Third Year Hebrew and Chaldee.

**RANKINE.**

Founded in 1881 by the late Alexander Rankine, Esq., Leamington, Eng. Value, \$55. Awarded upon the Sessional Examination in Apologetics.

**LEITCH MEMORIAL NO. 2.**

Founded in 1867 in memory of the late Principal Leitch, by subscribers in Scotland and Canada. Value, \$80. Awarded upon a Sessional Examination, and tenable during three successive years, should the successful candidate, after the completion of his theological curriculum at this University, continue his studies at this or any European University. Candidates must have the degree of B.A. The next competition will take place in April, 1888. Subjects of examination:—The Epistle to Romans and Hebrews in Greek, Psalms I.—XXV., in Hebrew, Butler's Analogy, and the Theological Lectures of the session.

**SPENCE.**

Founded 1879 by the late Rev. Alex. Spence, D.D., formerly minister of St. Andrew's Church, Ottawa. Value, \$60. Awarded upon the Sessional Examination for general proficiency at the close of the first year in Theology. Tenable during the second and third year in Theology. The next competition will take place in April, 1888.

---

**CHURCH BURSARIES.**

Bursaries are awarded to students, who have not obtained scholarships, and who are preparing for the ministry of the Presbyterian Church in Canada. Recipients must sign a written declaration to repay the money should they change their intention with regard to the ministry.

## UNIVERSITY PRIZES.

Prizes in money are offered, as specified below, for literary articles, essays, etc. The prizes are given at Convocation.

### CONDITIONS OF COMPETITION.

1. Competitive papers) except for Thorburn, which see) must be given in to the Secretary of the Senate not later than the 14th of February.

2. Each paper is to bear a motto, instead of the author's name, and to have attached to it a sealed envelope, bearing the same motto and containing a written declaration over the author's signature, to the effect that it is his unaided composition.

3. The envelope attached to successful papers shall be opened and the writer's name made known at the closing Convocation of the session.

4. The best productions must be reported by the examiners to be of sufficient merit.

5. All successful productions shall be the property of the University, and be at the disposal of the Senate.

### LEWIS.

Value, \$25. Given for the best lecture on Luke X., 38-42 inclusive. Open to students of Theology registered session 1888-9.

### MACPHERSON.

Value, \$25. Given by Sir David L. Macpherson, Toronto, for the best essay on the "Influence of Britain on India." Open to registered students of the present or preceding session.

### LATIN AND GREEK PROSE COMPOSITION.

Two prizes, each of the value of \$10 in books, open to students of the present or preceding session, are offered for competition for the best composition in Latin and Greek prose respectively. Subjects for composition,

1888-9 :--Latin Prose, Burke's Speeches, Nabob of Arcot's Debts, from, "My right honourable friend" to "fraudulent reformation." Greek Prose, Grote's History of Greece, Chapter LIX., from "When thus we look at the despatch" to "confidence in Nikias."

#### THORBURN.

Value, \$40. Given by John Thorburn, Esq., M.A., LL.D., for the best history of the County of Renfrew—the history to contain details of such matters as the original characteristics, struggles, etc., of the first settlers; the rise and progress of municipal institutions, mechanics' institutions, benevolent, industrial and other establishments, newspapers, etc.; the first churches, schools, etc.; the development of agricultural and mineral resources; and events of a general character by which the country may have been particularly affected. *Any person may compete.* Competitive papers must be in the hands of the Registrar, Rev. George Bell, LL.D., not later than the 14th of February. The successful history, or a copy of it, shall be placed in the archives office at Ottawa.

#### MEDALS.

*Candidates for medals are required at their final examination to take all the honour papers in the work of the department in which the medal is awarded. No Gold Medal will be awarded to any candidate who fails to obtain three-fourths of the whole number of marks. No Silver Medal will be awarded to any candidate who fails to obtain at least two-thirds of the whole number of marks.*

#### PRINCE OF WALES' GOLD MEDAL IN CLASSICS.

For the best examination on the honour work in Latin and Greek. Open to all registered students.

#### GOLD MEDAL IN PHYSICS OR MATHEMATICS.

For the best examination on the honour work. Open to all registered students.

THE MAYOR'S GOLD MEDAL IN MENTAL AND MORAL PHILOSOPHY.

Given last session by J. Duncan Thompson, Esq., for the best examination on the honour work in Mental and Moral Philosophy, as prescribed for the session. Open to all taking the honour work in those subjects.

CHANCELLOR'S GOLD MEDAL IN HISTORY AND ENGLISH LANGUAGE AND LITERATURE.

Given by the Chancellor for the best examination on the honour work in those subjects, with an essay on "Democracy in Europe in the Fourteenth Century." Open to all taking the honour work.

SILVER MEDAL IN POLITICAL ECONOMY.

For the best examination on the honour work in Political Economy. Open to students attending classes in Arts, Law, Medicine or Theology.

PRINCE OF WALES' SILVER MEDAL IN MODERN LANGUAGES.

For the best examination on the honour work in French and German. Open to all taking the honour work.

PRINCE OF WALES' SILVER MEDAL IN NATURAL SCIENCE.

For the best examination on the honour work in Natural Science. Open to all taking the honour work.

PRINCE OF WALES' SILVER MEDAL IN CLASSICS.

Awarded to the candidate who stands second in the examination on the honour work in Latin and Greek.

# LIST OF STUDENTS.

SESSION 1887-8.

## IN ARTS.

*Those marked with an Asterisk are Students for the Ministry of the Presbyterian Church of Canada.*

Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
Allen, Thomas G....	4	Brockville .....	Brockville H. S.
Arthur, Colin C. ...	1	Consecon.....	Trenton H. S.
Asselstine, David P.	2	Kingston.....	Kingston C. I.
Bain, Angus U.....	4	Kingston .....	Kingston C. I.
Baker, Hattie M....	1	Kingston.....	Louise S., Kingston.
- Baker, Herbert W..	1	Kingston Tp.....	Trenton H. S.
Beall, Arthur W....	4	Whitby ... ..	Whitby C. I.
- Beattie, John A. ...	1	Barnett. ... ..	Fergus & Kingston C.I.
Bedard, John O.....	1	Gananoque.....	Gananoque H. S.
Bell, John.....	2	Peterboro....	Peterboro C. I.
Bethune, Alexander.	2	Wingham. ....	U. C. College.
*Binnie, James.....	3	Durham. ....	Collingwood C. I.
- *Black, John A.....	1	Warkworth.....	Campbellford H. S.
Bowerman, John T..	3	Ottawa .....	{ Albert College and Tor. Nor. School.
*Boyd, John D.....	3	Alexandria.....	{ Alexandria H. S. St. Catharines C. I.
Boyle, Joseph.....	1	Gananoque.....	Sydenham H. S.
Boyle, Thomas.....	1	Gananoque.....	Sydenham H. S.
Bradley, Gordon F..	2	Lansdowne .....	Gananoque H. S.
Bristol, Emily F. ...	2	Napanee .....	Napanee H. S.
Brokenshire, John..	1	Kingston .....	Private.
Brokenshire, W. H..	3	Kingston .....	Kingston C. I.
Brough, Thomas A..	1	Guelph ... ..	Elora H. S.
Brown, Fred. M.....	3	Cataraqui. ...	Kingston C. I.
Brown, J. G. W. ...	3	Charlottetown ...	Prince of Wales Coll.
Bruce, Edward W..	4	Hamilton.....	{ St. Catharines C. I. Collingwood C. I.
*Bryan, George J...	4	Richmond, Que..	St. Francis College.
Burger, Charles M..	2	Hudson, Que....	Napanee H. S.
Burns, Clement B...	3	Halifax .....	Halifax H. S.
Burns, Samuel S....	3	Navan. ....	Public School.

Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
Camelton, John M...	3	Maple.....	Richmond Hill H. S.
Cameron, C. Alice ..	4	Kingston . . .	Kingston C. I.
Cameron, J. Craig..	4	Camerontown....	Williamstown H. S.
— Campbell, Annie G..	1	Perth .....	Perth C. I.
*Campbell, Chas. A.	4	Smith's Falls....	Perth C. I.
Carmichael, Nor. R.	2	Strange .....	Orillia H. I.
Cartwright, Mary J.	1	Kingston .....	In England.
*Cattanach, James..	4	Williamstown ...	Williamstown H. S.
Chambers, Alice ...	4	Wolfe Island. ...	Kingston C. I.
— Chambers, Mary M..	1	Wolfe Island....	Kingston C. I.
Chown, Alice A....	1	Kingston.....	Kingston C. I.
Chown, Stanley S...	3	Kingston....	Kingston C. I.
Claxton, John A ...	4	Inverary.....	Kingston C. I.
— Cochrane, James B..	2	Kingston.....	Kingston C. I.
Coleman, William M	2	Seeley's Bay. . .	Sydenham H. S.
Copeland, George T.	3	Cornwall.....	Cornwall H. S.
Cowley, Robert H...	3	Ottawa... ..	Ottawa C. I. & Nor. Sch.
— Cunningham, A. B..	1	Kingston ... ..	Kingston C. I.
Curle, William. ...	3	Campbellford....	Campbellford H. S.
Curtis, Guy ... ..	2	Delta.....	Albert College.
Daly, Charles H ....	2	Peterboro. ....	{ Napanee H. S. Peterboro C. I.
*Dodds, James A....	2	Owen Sound.....	Owen Sound C. I.
Downing, Joseph J..	1	Kingston .....	Kingston C. I.
*Drummond, Dan. R.	3	Almonte.....	Almonte H. S.
Dupuis, Dennis R...	3	Kingston....	Kingston C. I.
Dyde, George E. ...	3	Kingston .....	Kingston C. I.
Echlin, Edmund B..	3	West Flamboro..	Dundas H. S.
Edwards, John W...	2	Inverary.....	Sydenham H. S.
Elliott, Edwin, B.A.	6	Kingston.....	Kingston C. I.
— Etherington, Edw. J	1	Brockville.....	Gananoque H. S.
*Falconer, John P...	3	Sydney, C. B. ....	Sydney Academy.
Farrell, James M....	3	Kingston.....	Kingston C. I.
Farrell, Jenny .....	4	Kingston....	Kingston C. I.
Farrell, Thomas H..	3	Kingston .....	Kingston C. I.
Fenwick, Arthur M.	2	Kingston.....	Kingston C. I.
*Findlay, John, B.A.	5	Cataraqui.....	Kingston C. I.
*Finlay, William A.	4	Lakefield.....	Peterboro C. I.
*Fitzpatrick, Alfred.	4	Pictou, N. S.....	Pictou Academy.
Fleming, Walter A..	1	Ottawa.....	U. C. College.
Fowler, Jennie.....	2	Kingston.....	Kingston C. I.
Fraser, Frank H ...	5	Kingston .....	Dr. Tassie, Toronto.
Gahan, Percy A....	1	Windfall ..	London C. I.
*Gandier, Dan. McG.	1	Fort Coulonge ..	Kingston C. I.
Gillies, John S.....	2	Carteton Place...	Carleton Place H. S.



Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
- Gillies, William F..	1	Carleton Place...	Carleton Place H. S.
*Graham, Archibald.	2	Menie. ....	Campbellford H. S.
Griffin, Edward S...	4	Kingston.....	Kingston C. I.
Haig, Andrew .....	4	Menie.....	Campbellford H. S.
Hales, James .....	4	Forfar.....	Farmersville H. S.
Hamilton, Charles F.	1	Stirling. ....	Campbellford H. S.
*Hamilton, Dun. A..	2	Harriston.....	Harriston H. S.
Hartwell, George E.	4	Westport.....	Farmersville H. S.
- Hay, Arthur G.....	3	Pinkerton.....	St. Catharines C. I.
Head, John.....	3	Lindsay .....	Sidcot, England.
Heap, Frederick ...	2	Lindsay.....	Lindsay H. S.
Henderson, Nor. R..	1	Kingston....	Kingston C. I.
*Hodges, James.	2	Forrester's Falls..	Ballymoney Inst.
*Holdcroft, Wm. T.	4	Tweed .....	Gananoque H. S.
Horne, Janet... ..	2	Wolfe Island. ..	Kingston C. I.
*Hunter, Robert J..	3	Millbrook.....	Peterboro C. I.
*Hutcheson, Robt. J.	2	Burnbrae .....	Campbellford H. S.
*Hyland, David J...	4	Oxford Mills. ...	Kingston C. I.
- Ireland, Fran. A. W.	1	Chatham, Ont...	Chatham C. I.
Irving, Lilla B.....	2	Kingston.....	Kingston C. I.
Jewett, Albert E....	2	Campbellford ...	Lindsay H. S.
*Kellock, John McC.	1	Spencerville.....	Kemptville H. S.
Kelly, John J.....	3	Bell's Corners....	Private.
Kilborn, Omar L....	4	Toledo ..	Farmersville H. S.
King, Francis. ....	3	Kingston.....	Kingston C. I.
Kirk, Frederick J...	4	Kingston.....	Kingston C. I.
- Kirkpatrick, Fran. G	1	Kingston.....	Trin. Coll. Sch., Pt. Hope.
*Knowles, Robert E.	2	Blakeney....	Peterboro C. I.
Lavell, Alfred E...	1	Portsmouth.....	Kingston C. I.
Lavell, Harry A ...	4	Portsmouth.....	Kingston C. I.
Leask, Harry .....	4	Orillia.....	Orillia H. S.
Leggatt, Matthew H.	1	Hamilton... ..	U. C. College.
*Leitch, James A...	1	Renfrew....	Renfrew H. S.
- Lees, Richard. ....	2	Brampton.....	Private.
Lett, Ralph M ....	4	St. Thomas.....	Cobourg C. I.
Lockhart, Thomas J.	1	Kingston....	Sydenham H. S.
Long, William E....	2	Napanee. ....	Napanee H. S.
Madden, John H ...	3	Delta .....	Farmersville H. S.
Mahood, Perry .....	3	Kingston.....	Kingston C. I.
Malcolm, George....	3	Clarke .....	Collingwood C. I.
Markle, Jacob H ...	3	Paris.....	Hamilton & Dundas H. S.
Marquis, Thomas G.	5	Chatham, N.B...	Chatham H. S.
*Maxwell, John.....	1	Alton.....	Orangeville H. S.
Michael, Hugh. ...	1	Manilla.....	Lindsay H. S.



Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
*Millar, John M....	2	Kincardine .....	{ Stratford C. I. and Kincardine H. S.
Mills, John H .....	3	Lindsay .....	Lindsay H. S.
Milne, Thomas A...	1	Stirling.....	Belleville H. S.
Minnes, James A...	3	Kingston .. ..	Kingston C. I.
Minnes, Robert S...	3	Kingston.....	Kingston C. I.
Morden, G. Walworth	4	Picton... ..	Picton H. S.
Morden, Wilson S..	4	Alisonville.....	Picton H. S.
*Muirhead, John W.	3	Brockville.....	{ Farmersville and Brockville H. S.
McCammon, Fred. J.	3	Kingston.... ..	Kingston C. I.
McClement, Wm. T.	5	Kingston .....	Sydenham H. S.
*McDonald, Don. D.	3	Williamstown...	St. Catharines C. I.
— McDonald, Hugh S..	1	Kingston.....	Kingston C. I.
*McDonald, John A.	4	Blakeney .. ..	Almonte H. S.
McDonald, Nerva...	2	Kingston .....	Model Sch., Kingston.
McFadyen, Allan L.	1	Kingston .....	
*Macfarland, John F.	5	Birmingham....	Kingston C. I.
Macfarlane, A. K. H.	4	Dundas.....	Dundas H. S.
McIntosh, Wm. D...	3	Toronto... ..	Almonte H. S.
McIntyre, Andrew B.	1	Pakenham.....	Renfrew H. S.
McIver, John B....	1	Kingston.... ..	Kingston C. I.
*McKay, John .....	4	St. Raphael's W..	Williamstown H. S.
McKelvey, Robert J.	2	Kingston.... ..	Kingston C. I.
*McKenzie, Arch....	4	Tiverton.... ..	Kincardine H. S.
McKenzie, Mal., B.A.	5	Tiverton.....	Kincardine H. S.
*McLennan, Dun. L.	1	Kincardine .. ..	Kincardine H. S.
*McLeod, P. A., B.A.	5	Dundas, P.E.I....	
*McNaughton, A. K.	2	The Ridge, Ont..	Pictou Academy.
*McPhail, Donald G.	3	McPhail. . . . .	Perth C. I.
— *McPherson, Neil...	2	Bowmanville....	Bowmanville H. S.
McPherson, Nor. A..	3	Lancaster.....	Williamstown H. S.
McRossie, Hattie....	1	Kingston .....	Kingston C. I.
Nelson, John .....	2	Bear Brook.....	St. Catharines C. I.
Nesbit, David A....	2	Pakenham.....	Private.
Nickle, William F..	1	Kingston.....	Kingston C. I.
North, Edwin.....	2	Picton.....	Private.
O'Connor, Charles...	3	Ottawa... ..	Ottawa C. I.
Orr, Alfred.....	2	Omeme.....	Peterboro C. I.
— O'Shea, James.....	1	Kingston.....	Albert College.
Parkyn, Herbert A..	1	Sarnia .....	Sarnia H. S.
*Patterson, Wm. J.	4	Maxwell.....	Collingwood C. I.
*Percival, Herbert A.	2		Sackville College.
Pergau, Paul.....	2	Brockville....	Brockville H. S.
*Phalen, Rannie M..	3	Cape Breton....	Pictou Academy.

Name.	Year of Atten- dance.	Summer Residence.	Where Educated.
Pirie, Edwin .....	4	Dundas.....	Dundas H. S.
Polson, Neil C. ....	1	Kingston.....	
—Pope, Frederick J....	2	Elginburg.....	Sydenham H. S.
Porteous, Douglas C.	1	Toledo .....	Kingston C. I.
*Potter, James G....	5	Halifax.....	Halifax, H. S.
Purdy, Victor M....	1	Sydenham.....	Sydenham H. S.
*Reddon, John A....	4	Mildmay.....	Owen Sound H. S.
Richardson, Wm. W.	2	Seeley's Bay....	Sydenham H. C.
—Robertson, Struan G.	2	Bath.....	Kingston C. I.
Robinson, Robert R.	1	Consecon. ....	Pictou H. S.
Roddick, James A..	1	Lyndhurst.....	Farmersville H. S.
*Rollins, James. ...	1	Cooper .....	Campbellford H. S.
Ross, Alex. H. D....	4	Kingston.....	{ Carleton Place H. S. Kingston C. I.
*Ross, Hugh.....	5	Uxbridge.....	Uxbridge H. S.
Ross, Thomas B....	2	Kingston.....	Kingston C. I.
*Russell, Ernest H..	3	Douglastown ...	Chatham (N.B.) H. S.
Saunders, Mary.....	1	Kingston.....	Private.
*Scott, John F. ....	2	Eversley.....	Newmarket H. S.
*Scott, Thomas B...	4	Belleville ... ..	{ Campbellford and Belleville H. S.
*Scott, Thomas R...	4	Aurora.....	Toronto C. I.
*Sharp, John.....	3	Wilberforce . . .	Private.
Shibley, Laura.....	2	Kingston.....	Kingston C. I.
*Shurie, Josiah S...	3	Trenton. ....	Trenton H. S.
*Sinclair, John A...	3	Carleton Place...	Almonte H. S.
*Sinclair, Robt. C. H.	4	Carleton Place...	Carleton Place H. S.
Smellie, James F....	2	Brockville.....	Lincoln Coll., Sorel.
Snell, Joseph.....	3	Dromore.....	Collingwood C. I.
Stewart, William R.	1	Notre Dame de L.	Ottawa C. I.
Stokes, Maude.....	1	Kingston .....	Kingston C. I.
*Strachan, Daniel...	3	Rockwood.....	Rockwood Academy.
Stuart, William A..	5	Lancaster.....	Cornwall H. S.
Sullivan, Vincent...	2	Kingston.....	Kingston C. I.
Summerby, Wm J..	3	Russell.....	Normal School.
Swift, Thomas.....	3	Ottawa. ....	Ushaw Coll., England.
*Taylor, John A....	2	Blyth.....	Goderich H. S.
Telgmann, Hein. B..	1	Kingston.....	Private.
Thompson, Thos. J..	1	Kingston .. . . .	Jordan Acad., N. Y.
*Thompson, W. McC	3	Durham, N.S. ...	Pictou Academy.
Townsend, Thomas..	3	Lake Opinicon...	Sydenham H. S.
Turner, John B. ...	3	Hamilton .....	Hamilton C. I.
Twitchell, Marsh'll C	1	Kingston .. . . .	Kingston C. I.
Varcoe, George F..	2	Fenelon Falls...	Lindsay H. S.
Walkem, W. C. A..	2	Kingston.....	Kingston C. I.

Name	Year of Atten- dance.	Summer Residence.	Where Educated.
Walker, Thomas L..	1	Kingston....	Orangeville H. S.
Walkinshaw, Wm..	2	Campbellford ...	Campbellford H. S.
—Webster, Charles R.	1	Kingston....	Kingston C. I.
White, James W..	4	Branchton .....	Brantford C. I.
Wilkie, William D..	1	Carleton Place...	Carleton Place H. S.
Wilson, Caroli'e L.M.	2	Kingston.....	Kingston C. I.
*Wilson, Daniel A..	3	Halifax.....	Halifax H. S.
Wilson, H. L., B.A..	5	Kingston.....	Smith's Falls H. S.
Young, Clifton H...	1	Sydenham....	Sydenham H. S.
Young, Oscar.....	1	Campbellford ...	Campbellford H. S.
Young, Robert.....	2	Trenton.....	Trenton H. S.
Young, William R..	4	Wellington.....	
Yourex, Edmund L..	1	Kingston....	Kingston C. I.

### IN THEOLOGY.

Name.	Year of Atten- dance.	Residence.
Bennet, Orr, B.A.....	2	Peterboro,
Bryan, George J. ....	1	Kingston.
Cameron, Charles J., M.A.....	1	Kingston.
Campbell, Charles A... ..	1	Smith's Falls.
Cornett, William H., B.A.....	1	Gananoque.
Cosgrove, Thomas A.....	1	Millbrook.
Drummond, Wm J., B.A.....	3	Toledo.
Flemming, David, B.A.....	2	Halifax.
Fowler, William J., M.A.....	3	Doaktown, N.B.
Hyland, David J.....	3	Oxford Mills.
Lang, George R., B.A.....	3	Beckwith.
Milne, James W. H., B.A. ....	3	Maxwell.
Munro, Donald.....	3	South Finch.
McKay, Norman T. C.. ..	1	Summerstown.
McLean, James M., B.A.....	1	Strathlorne.
McKinnon, John, B.A.....	2	Belfast, P.E.I.
McKinnon, Malcolm, B.A.....	3	Belfast, P.E.I.
McLeod, Peter A., B.A.....	1	Dundas, P.E.I.
McNaughton, Alex. K.....	2	The Ridge, Ont.
McNeil, John.....	3	Cape Breton.
Potter, James G.....	2	Halifax.
Rattray, James, B.A... ..	1	Portsmouth.
Sturgeon, Robert J., B.A.....	1	Bradford.
Taylor, Frank H.....	1	Kingston.
Walker, Edward G., M.A... ..	1	Montreal.
Whiteman, Richard, B.A... ..	2	Teeswatet.
Wright, John J., B.A.....	2	Peterboro.

## IN MEDICINE.

## STUDENTS OF THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS.

Name.	Year of Atten- dance.	Residence.
Adams, J. ....	4	Kingston.
Allen, T. G. ....	4	Brockville.
Ashley, Edwin ....	2	Pittserry.
Baker, T. C. ....	3	Wolfe Island.
Belch, John A. ....	5	Kingston.
Bell, John H. ....	3	Kingston.
Belton, W. J. ....	2	
Brady, James. ....	1	Kingston.
Buchanan, H. M. ....	2	Kemptville.
Camelon, Thomas P. ....	2	Maple.
Cameron, William A. ....	2	Perth.
Campbell, Albert L. D. ....	4	Belleville.
Campbell, Joseph S. ....	1	Deseronto.
Campbell, J. W. ....	1	
Carmichael, Andrew. ....	1	Spencerville.
Chamberlain, W. P. ....	3	Morrisburg.
Channonhouse, R. C. ....	2	Eganville.
Chown, Albert P. ....	3	Kingston.
Clerihew, Ernest M. ....	3	Brockville.
Cloutier, Felix. ....	3	Montreal.
Coldwell, Robert A. ....	1	Shannonville.
Connell, James C., M.A. ....	4	Kingston.
Cook, Wesley A. ....	1	Archer.
Cooke, William H. ....	3	North Gower.
Coon, Darius A. ....	2	Elgin.
Cram, George D. ....	3	Carleton Place.
Cunningham, David. ....	2	Kingston.
David, William C. ....	3	Gananoque.
Davis, Sidney. ....	1	York, Ont.
Dawson, James. ....	2	
Dixon, John W. ....	1	Greenbush.
Downing, William H. ....	3	Kingston.
Drinnan, John K. ....	1	Medicine Hat.
Drummond, Peter. ....	3	Almonte.
Duff, John. ....	3	Inverary.
Dupuis, Eugene L. ....	4	Kingston.
Earl, William M. ....	2	West Winchester.
Emmons, John. ....	1	Shannonville.
Empey, William A. ....	1	West Winchester.
Fitzpatrick, James. ....	1	Belleville.

Name.	Year of Atten- dance.	Residence.
Foley, Ignatius J. ....	1	Westport.
Fowkes, John T. ....	2	Winchester Springs.
Fraser, John B. ....	3	Brockville.
Freeland, Anthony M. ....	2	Quebec.
Gandier, Augustine ....	2	Fort Coulonge.
Gardiner, Robert J. ....	1	Seeley's Bay.
Gardiner, Sidney H. ....	2	Kingston.
Genge, William W. ....	1	Wolfe Island.
Gibson, James F. ....	1	Kingston.
Gillis, Angus R. ....	4	Rowena.
Goold, Arthur J., B A. ....	3	Kingston.
Graham, Hedley C. W. ....	4	Portsmouth.
Grant, Norman M. ....	3	Stellarton.
Gray, William A. ....	2	Elliot.
Green, Samuel. ....	1	Arnprior.
Greer, R. F. ....	2	
Harkness Fred B. ....	3	Kingston.
Harrison, Edgar D. ....	1	Picton.
Harvie, William D. ....	3	Galt.
Hayunga, George. ....	1	Morrisburg.
Herald, Dundas. ....	1	Medicine Hat.
Herald, Wilson ....	3	Medicine Hat.
Hilker, Adam E. ....	3	Port Elgin.
Holdcroft, Joseph. ....	3	Tweed.
Holdcroft, William T. ....	1	Tweed.
Horsey, Edward H. ....	4	Guelph.
Jamieson, David. ....	4	Kars.
Jamieson, Thomas J. ....	4	Kars.
Johnson, W. H. ....	3	
Johnston, William J. ....	1	Kingston.
Jones, Clarence P. ....	1	Kingston.
Kennedy, John T. ....	1	Owen Sound.
Kidd, William E. ....	1	Kingston.
Koyle, Frank H. ....	4	Brockville.
Lanfeair, Henry O. ....	3	Newburgh.
Little, W. C. ....	3	
Livingstone, John S. ....	4	Belleville.
Lockhart, George D. ....	2	Sydenham.
Mallory, Charlie M. ....	4	Escott.
Maxwell, William J. ....	3	Brockville.
Medley, William H. ....	1	Barriefield.
Meecham, George P. ....	1	Elginburg.
Melville, Edmond J. ....	1	Howe Island.
Miller, John C. S. ....	2	Seattle, Wash. Ter.
Mitchell, Charles F. ....	2	Kingston.

Name.	Year of Atten- dancé.	Residence.
Mitchell, Harry.....	3	Kingston.
Morgan, Edward M.....	2	Renfrew.
McAmmond, John F.....	4	Easton's Corners.
Mackey, Thomas E.....	1	Kemptville.
McLean, Ernest H.....	1	Kingston.
McCanmon, S. H.....	4	Kingston.
MacLennan, Duncan N. . .	1	Port Hope.
McLaren, Alex. P.....	1	Port Elgin.
McGillivray, T. Shannon...	4	Kingston.
McGrath, Edward.....	4	Campbellford.
McGrath, Michael E.....	3	Sunbury.
McKenty, James.....	2	Kingston.
McKillop, James.....	3	Beachburg.
McLean, Donald W.....	3	Ottawa.
Macnee, J. Edwin.....	1	Perth.
McPherson, William A.....	2	Prescott.
Mavety, Alexander.....	3	Railton.
Nicholson, Malcolm.....	3	Springton, P.E.I.
Northmore, Harold S.....	3	Cataraqui.
Ogilvie, James A.....	1	Kingston, W. I.
O'Gorman, Daniel D.....	2	Kingston.
Oldham, E. H.....	1	
O'Neill, Thomas.....	4	Belleville.
Parkyn, Herbert A.....	1	Sarnia.
Patterson, James A.....	3	Tiverton.
Patterson, John N.....	1	Greenbush.
Phelan, Leopold, B.A.....	2	Kingston.
Pirie, Henry H.....	1	Dundas.
Polson, Neil C.....	3	Kingston.
Pratt, William F.....	4	Ottawa.
Pratt, Wilton.....	4	Toledo.
Rankin, William H.....	3	Collinsby.
Raymonde, Nelson.....	1	Kingston.
Reid, John D.....	1	Cardinal.
Robertson, Andrew.....	3	
Robertson, John W.....	4	Millhaven.
Robinson, Andrew.....	4	New Boyne.
Robinson, Robert R.....	1	Consecon.
Ryan, Edward, B.A.....	2	Kingston.
Ryan, Michael D.....	1	Oates.
Sands, Ernest.....	3	Sunbury.
Scott, Patrick J.....	4	Southampton.
Scott, William H. S.....	2	Southampton.
Scott, William J.....	1	Renfrew.
Shannon, John R., B.A.....	2	Kingston.

Name.	Year of Atten- dancé.	Residence.
Smellie, Donald.....	4	Chesley.
Smith, James F.....	4	Latona.
Suider, Elias.....	3	Odessa.
Spankie, James E.....	1	Kingston.
Stackhouse, Alex.....	1	Kingston.
Stewart, Alexander.....	3	Douglas.
Stewart, Charles E.....	1	Almonte.
Stitt, Frank.....	2	
Snter, Joseph C.....	1	Carleton Place.
Taplin, Albert E.....	2	Farmersville.
Thompson, William B.....	1	Kingston.
Tilman, Harry G.....	3	Kingston, Jamaica.
Todd, Samuel G.....	2	Kingston.
Valleau, Arch. J.....	1	Selby.
Walker, Arch. D.....	4	Belleville.
Walker, Stanley R.....	3	Wilton.
Watts, Asa O.....	2	Merrickville.
Watts, Edward.....	2	Wolfe Island.
Watts, Thomas E.....	3	
Whitney, A. W.....	4	Iroquois.
Wilson, Arthur.....	1	Perth.
Wright, Thomas A.....	4	Westmeath.
Yourex, Isaac B.....	1	Kingston.



## STUDENTS OF THE WOMEN'S MEDICAL COLLEGE.

Name.	Year of Atten- dance.	Residence.
Birmingham, Mary E.....	1	Kingston.
Brown, Annie L.....	1	Chatham, N.B.
Brown, Minnie.....	2	Fingal.
Craine, Agnes D.....	4	Smith's Falls.
Demorest, Clara.....	2	Napanee.
Embury, Elizabeth.....	4	Selby.
Fraser, Wilhelmine G.....	2	St. Elmo.
Funnell, Rozelle V. M. . . . .	2	Kingston.
Lawyer, Annie.....	4	Morrisburgh.
Leavitt, Minnie.....	3	East Hatley.
Marshall, Alice A.....	4	Brockville.
Mitchell, Elizabeth S.....	4	Montreal.
Murray, Janet.....	1	Rossmore.
McCallum, Mary.....	1	Detroit, Mich.
McConville, Isobel.....	3	Kingston.
McKellar, Maggie.....	2	Ingersoll.
Ogilvie, Nellie.....	4	Kingston, Jamaica.
O'Hara, Margaret.....	1	Smith's Falls.
Scott, Lizzie.....	1	Belleville.
Sinclair, Jennie.....	1	Madoc.
Skimin, Nellie St. G.....	1	Hamilton.
Steen, Henrietta.....	2	Farran's Point.
Walker, Hattie.....	2	Pittsferry.
Weir, Janet M.....	1	Merrickville.

## STUDENTS OF TRINITY MEDICAL SCHOOL.

Arthur, Edward C., B.A.....	3	Brighton.
Cunningham, James W.....	2	Hespler.
Harris, John S.....	2	Hespler.
Kalbfleisch, Fred. H.....	4	Neustadt.



# MATRICULATION EXAMINATION.

UNIVERSITIES OF QUEEN'S, TRINITY AND VICTORIA.

JUNE, 1887.

## PASS PAPERS.

### LATIN.

Examiner : PROFESSOR FLETCHER, *Queen's*.

#### I.

Translate : (a) Cicero, *In Catilinam*, I., § 17; (b) Caesar, *Bellum Britannicum*, V., ch. 11.

1. Parse (a) *odissent*, *posses*, *nostrum*, *verebere*, *sequere*, *pertimesces*, *perfringendas*; (b) *reliquit*, *redierat*, *cujus*, *permoti*.

2. State the rule for the case of (a) *ratione*, *annis*, *uni*; (b) *castris*, *praesidio*, *navibus*, *huic*, *tempore*, *adventu*, *bello*.

3. State the rule for the mood of (a) *timerent*, *concederes*; (b) *venissent*.

4. Write grammatical notes on *jam diu*, *judicat*, *ad negligendas leges*; and derive *parricidio*, *auctoritatem*, *facinus*, *quaestiones*.

#### II.

Translate : (a) Virgil, *Aeneid*, B. I., 148-156; (b) *Ib.*, 731-741.

1. Parse (a) *coorta, faces, volant, conspexere, cecidit, invectus, flectit*; (b) *profectis, laticum, attigit, hausit, docuit*.

2. Give the derivation and original meaning of *seditio, pietate, arrectis, secundo, personat*.

3. *Troiæque profectis*. State the rules for expressing motion from and motion to a place.

4. Write notes on *Tyriis, velis, hujus, faventes, tenus, Atlas*.

---

### LATIN GRAMMAR AND COMPOSITION.

---

Examiner: PROFESSOR FLETCHER, *Queen's*.

---

### I.

1. Give rules for the gender of nouns of the third declension.

2. Give the gen. sing. and dat. plur. of *dea, filius, liber, vir, senex, homo, urbs, vis, domus, dies*.

3. Give the other degrees of *carus, atroc, parvus, similis, multus, inferus, prope, bene, male, satis*.

4. Write down the Latin for *sixteen, sixteenth, nine hundred, four times, two camps*.

5. Give the meaning of *quisque, aliquis, quidam, quivis, quisquam*.

6. Write down the

3 pl. plpf. subj. act. of *vinco*.

2 sing. fut. ind. of *loquor*.

3 sing. pres. subj. act. of *mitto*.

2 sing. pres. imperat. of *sequor*.

3 plur. pf. subj. act. of *caedo*.

7. Parse and translate *iret, fieret, ferret, feriat, nolet*.  
 8. Write down the perfect and supine of *vivo, vincio, cado, metior, verto, emo, pendeo, parco, divido, audeo*.

## II.

Translate into Latin :

- (a) I am persuaded that they will never dare to take up arms against their country.  
 (b) Did he not promise to prevent them from stating their opinion ?  
 (c) They asked him if he was afraid that the fleet would be lost ; and he answered, Yes.  
 (d) Don't you think that they should have advised him not to conceal from us what he was going to do ?  
 (e) Shall we ask whether it is not better to die than to live dishonourably ?

---

GREEK.

---

Examiner : PROFESSOR BOYS, *Trinity*.

---

## I.

Translate : Xenophon, *Anab.*, B. I., Ch. V., §§ 8, 9.

1. Parse *συνεπισπεῦσαι, θεάσασθαι, δράμοι, ἐξεκόμισαν, εἰσπηδῆσαντες, διεσπάσθαι*.

2. Ὁρῶ, εὐταξίας, πᾶσαν τὴν ὁδὸν, πλήθει. Give rules for the cases of these words and of the marked words in the following expressions : \**Ἀψινθίου πλήρεις. Τῶν ἄλλων πλέον. Ἐξελάνει \*σταθμὸς πέντε. Οὐδὲ \*τούτων στερῆσονται. Ποταμὸς \*εὖρος \*πλέθρου.*

3. State what parts the following are of the several verbs: λύντων, λύθητε, ἐλύσασθε, ἐδώκαμεν, ἤσθα, ἴσταντο, ἔσονται, θήσετε.

4. Parse γέροντος, λάμπασι, φύλακας, εὐδαιμονέστερον, συσί, γένους, ἔρωτι.

## II.

Translate: Homer, Il., B. VI., 242-262.

1. Give Attic forms for αἰθούσῃσι, λίθοιο, ἀλόχοισι, ἦλυθε, εἰλήλουθας, ὀνήσῃαι.

2. Derive ἄλογος, θρασύς, ἄστν.

3. Translate the expressions: Ἄλτο χαμᾶζε. Κάκ' ἐμήσατο θυμῷ. Ἔρχεο σὺν θυέεσσιν. Βοῦς ἦνις ἡκέστας ἱερεύσομεν. Σεβάσσατο γὰρ τότε θυμῷ.

---

### ENGLISH GRAMMAR AND COMPOSITION.

---

Examiner: PROFESSOR FERGUSON, *Queen's*.

1. Point out and explain any peculiarities in the following sentences, and correct any errors:

This convention *was* really the two Houses of Parliament. *Blackstone*.

His pavilion round about him *were* dark waters and thick clouds of the skies. *Psalm XVIII.*, 11.

Every limb and feature *appears* with its appropriate grace.

Now *abideth* faith, hope, charity; these three. *I Cor. XIII.*, 13.

Thine *is* the kingdom, and the power, and the glory. *Matth. IV.*, 13.

Blessed *is* the people that *know* the joyful sound; *they* shall walk, O Lord, in the light of thy countenance. *Ps. LXXXIV.*, 15.

While the *extremest* parts of the earth were meditating a submission. *Atterbury's Sermons, I.*, 4.

In such a time as this it is not meet  
That every nice offence should bear *his* comment.  
*Julius Caesar, IV., 2.*

Which none may hear but she and thou. *Coleridge.*

To-day I lay the book upon the table while I lie down upon the sofa, but yesterday while I lay down upon the sofa, I laid the book upon the shelf.

I called on him and wished to have submitted my manuscript to him. *Goldsmith.*

I had not the pleasure of hearing his sentiments when I wrote the letter. *Lowth.*

Ye will not come unto me that ye might have life.

Some, who the depths of eloquence *have found*,  
In that unnavigable stream were drowned.  
*Dryden, Juvenal, Sat. X.*

And passing rich with forty pounds a year.  
*Goldsmith, Deserted Village.*

2. Write an Essay on one of the following subjects :

(a) "The three northern courts had formed a confederacy for making England resign her naval rights." (Southey). (The Essay must narrate the circumstances which brought about this confederacy and its results).

(b) The more immediate events which led to the battle of Trafalgar.

---

### ENGLISH LITERATURE.

---

Examiner: PROFESSOR FERGUSON, *Queen's.*

1. Analyse the sentences in the following passage :

Thomson's Seasons, Autumn, lines 1302-32.

2. Parse the words in italics and give their derivations.

3. Why "*frigid* Tempe." "*Hemus cool.*" "*Tepid* gleams." "*Hoary* waste, *abrupt* and *deep.*" "*Buried* earth." The skies *disclos'd* and *kindled*?"

4. Mention and, if possible, quote a passage from any other author expressing the idea presented in the first lines of this passage.

5. Explain the following passages:

Winter, lines 41-44, 473-75, 834-38, 874-77, 887-88.

6. To whom is Thomson indebted for the expressions "*frigid* Tempe," "*Hemus cool*" and "*Aquarius stains the inverted year*"?

7. Explain "*Niemi's fairy* mountains," "*Tenglio fringed with roses.*" *Hecla flaming.* Where are these places? Where is Tornea?

---

### MATHEMATICS.

---

Examiner: PROFESSOR A. R. BAIN, *Victoria.*

1. Find the value of

$$\frac{x+y-1}{x-y+1} \text{ when } x = \frac{a+1}{ab+1} \text{ and } y = \frac{ab+a}{ab+1}.$$

2. Find the L. C. M. of  $6x^3 - 11x^2y + 2y^3$  and  $9x^3 - 22xy^2 - 8y^3$ .

3. Find  $x$ ,  $y$  and  $z$  in each of the following examples of simultaneous equations:

$$(a) \quad \frac{1}{x} + \frac{1}{y} - \frac{1}{z} = a$$

$$\frac{1}{x} - \frac{1}{y} + \frac{1}{z} = b$$

$$\frac{1}{y} + \frac{1}{z} - \frac{1}{x} = c$$

$$(\beta) \quad \frac{2x-y}{3} = \frac{3y+2z}{4} = \frac{x-y-z}{5} = 4.$$

4. A man rows down a stream 20 miles and back again in 10 hours. He finds he can row 2 miles against the stream in the same time he can row three miles with it. Find the time of his rowing down and of his rowing up the stream; and also the rate of the stream.

5. Given  $\left\{ \begin{array}{l} x^2 + y^2 = 7 + xy \\ x^3 + y^3 = 6xy - 1 \end{array} \right\}$  find  $x$  and  $y$ .

6. The fore wheel of a carriage turns in a mile 132 times more than the hind wheel; but if the circumferences were each increased by 2 feet, it would turn only 88 times more. Find the circumference of each.

7. A sum of money was lent at 25 per cent per annum. Six years interest was paid and the capital was lost. As a question of simple interest how much did it pay?

8. The population of a country in 1870 was 2,943,578, in 1880, 3,408,766. What will it likely be in 1900?

9. A man bought a 4 per cent stock at 75 and afterwards sold at 95. He found he had made  $7\frac{1}{2}$  per cent per annum. How long did he hold the stock?

10.  $ABC$  is an equilateral triangle and  $AD$  is perpendicular to  $BC$ ; shew that the square on  $AD$  is equal to three times the square on  $BD$ .

11. A triangle whose base is one of the non-parallel sides of a trapezium and vertex the middle point of the opposite side is equal to half the trapezium.

12. If a straight line touch a circle and from the point of contact a straight line be drawn cutting the circle, the angles which this line makes with the line touching the circle shall be equal to the angles which are in the alternate segments of the circle.

---

**FRENCH.**

---

Examiner: PROFESSOR L. E. HORNING, B.A., *Victoria.*

---

**I**

Translate: Lamartine, Christophe Colomb., XXXIV.,  
*from Au lever to à son triomphe.*

1. *Fraîchement.* Write a full note on formation of adverbs from adjectives.

2. Indicate pronunciations of *œufs*, *nid* and *hymne*.

3. Give two homonyms each of *vie* and *voix*.

4. Distinguish between *avant* and *devant*.

5. Give feminine of *doux* and *Dieu*; masculine of *fraîche*.

6. *Au lever du soleil.*

Translate: We usually go for a walk just after sunset in summer, as then the weather is cool.

Translate: Lamartine, Christophe Colomb., LXVII.,  
*from Tous les caractères to Tel fut cet homme.*



1. *Véritable grand homme.*

Distinguish meanings of *grand* as it precedes or follows the noun. Give a list of four similarly used with the distinctions.

2. *Génie, travail*, etc. Why no article?

Give brief rules for omission of the article with nouns.

3. *Quinze cents lieues.*

Translate: My sister-in-law came (pret. indef.) to see me a fortnight ago, and will return home in a week.

---

**FRENCH.**

---

Examiner: PROFESSOR L. E. HORNING, B.A., *Victoria.*

1. Form plurals of the following nouns:—Landau, clou, bal, travail, basse-cour, arc-en-ciel, avant-coureur, réveille-matin.

2. Form the feminine of the following nouns and adjectives:—Chat, comte, débiteur, lion, cheval, acteur, roux, pareil, irregulier, grec, coi, tiers.

3. Give the French for 11, 31, 71, 97, 101, 19th, 51st, 102nd. To-day is Thursday, May 21, 1873; what time is it by your watch? seven minutes past nine.

4. What is a regular verb? What are the principal parts? Why so called? Illustrate, using *finir* as an example.

5. (a) Give 2nd pers. sing. pres. indic. of appeler, acheter, aller, mourir, vivre.

(b) Give 2nd pers. plur. pres. indic. of acquérir, s'en aller, faire, dire, contredire, maudire.

(c) Give 2nd pers. sing. fut. indic. of aller, mourir, pouvoir, savoir, tenir, voir, envoyer.

(d) Give 2nd pers. sing. pres. subjunctive of aller, acquérir, venir, s'asseoir, mouvoir, valoir, prévaloir, craindre, faire.

(e) Give past participles (mas. and fem.) of bénir, mourir, ouvrir, pouvoir, inclure, nuire, suffire, lire, mettre, résoudre.

6. What adjectives generally follow their nouns?

7. Give brief rules for use of subjunctive mood.

---

Translate into French :

1. Will you have the goodness to give me some paper, ink and pens? I want to write to my brother in Paris.

2. Everybody likes our new brown house.

3. Some three hundred of Alexander's army were killed in the battle against Darius, king of Persia.

4. Have you any English pears left? A very few, sir. How many will you have?

5. Are you going to have a cloak made? Yes, at the English tailor's.

6. He came very near dying.

7. How old are you? Seventeen, next July.

8. The more one has, the more one wants.

9. We want a French dictionary.

10. Alexander conquered Greece without striking a blow.

11. What kind of knives do you use?

12. Please clear off the table at once.
13. We have agreed about the conditions.
14. This cloth is worth three dollars and a half a yard.
15. My friend (f.) would like to speak to you in private.
16. Tell the servant to boil the potatoes now.
17. What the one does, the other undoes.
18. Do not put off till to-morrow what you can do to-day.
19. He lives upon bread and fruit.

---

**GERMAN.**

---

Examiner : PROFESSOR L. E. HORNING, B.A., *Victoria.*

---

I.

Translate : Hauff, Das kalte Herz, *from* Kohlenmunkpeter *to* Reime, dummer Peter, reime ! ”

1. Give principal parts of the following verbs :—  
Glaubte, klang, sah, umherreiten, könnet, stehen, geboren.

2. Reise . . . auf. Distinguish fully between separable and inseparable verbs.

3. Parse Goldstücke, untereinander, ihm, Schlag, Uhr.

4. Zwölf. Derive.

5. Ohr. Decline.

II.

Translate : Hauff, Das kalte Herz, *from* Da wurde Michel *to* Glasmännleins Hügel kam.

1. Give principal parts of *fiel, wand, getrieben, dachte, kam, nachschickte, zog, lief*.

2. *Zersplitterte*. Give a list of inseparable prefixes with notes on the force of *zer* and *ver*.

3. Give plurals of *Kammer, Haus, Wurm, Weib, Wald, Frau, Auswurf*.

4. *Werkstatt*. Give rule for gender.

### III.

Translate: Schiller, *Der Gang nach dem Eisenhammer, from Drauf Robert to meine Pflichten*.

1. Parse *Frisch, dein, der* (*spricht, &c.*), *mir, getan, stehen, dir* (2).

2. *Worten*. Give gender; distinguish from the other form of the plural.

3. Point out any poetical licenses in the extract.

4. Write a short account of Schiller.

---

### GERMAN.

---

Examiner: PROFESSOR L. E. HORNING, B.A., *Victoria*.

1. What do you mean by strong verbs?

2. Give 2nd pers. sing. (1) pres. indic., (2) imperf. subj., (3) pres. imperative active voice of the following verbs:—*Befehlen, brechen, dürfen, essen, gehen, haben, kommen, lassen, nennen, sehen, thun, wissen*.

3. Give in full pres. ind. act. of *wollen, sich waschen*.

4. Give brief rules for use of article with proper names.

5. Give rules for gender of nouns according to form.

6. Decline together in sing. and plur. the German for
    - (1) The large black man.
    - (2) A small red apple.
    - (3) My pretty green house.
  7. Give a short account of comparison of adjectives.
  8. Decline, ich, er sie es, der meinige, was (rel.)
  9. Write down German for 11, 21, 101, 1000, 21st, 73rd, 203rd, three times, manifold,  $4\frac{1}{2}$ — $2\frac{3}{4}$  lbs.—12 feet long.
  10. Give a list of pure prepositions governing (*a*) the dative alone, (*b*) the accusative alone, (*c*) the dat. and accus. Illustrate the last by use of examples.
- 

Translate into German :

1. Have you any money? Yes, sir, three dollars.
2. My sister would have been here if she had not been ill.
3. Have you ever been in Toronto?
4. Two years ago our house was burnt to the ground.
5. What did you buy yesterday in the German's store?
6. Her father has lost his watch.
7. What time is it please? Quarter past four. Why, my watch must be slow, for by it it is only ten minutes to four.
8. Queen Victoria ascended the English throne, June 20, 1837.
9. My brother is taller than yours.

10. What are you laughing at ?
11. That little boy yonder is very proud of his new boots.
12. The longer the nights the shorter the days.
13. King Alfred is said to have studied a great deal during his spare moments.
14. Do you like white wine ? No, I prefer red.
15. Have you seen the woman of whom you speak ?

---

### HISTORY AND GEOGRAPHY.

---

Examiner: REV. PROFESSOR REYNAR, *Victoria*.

1. Relate briefly the conquest of Canada by Wolfe. Give date. What were the terms of surrender of the French ?
2. What important development in our parliamentary government was made in the time of William III. ?
3. Write an account of the Battle of the Boyne and of the Massacre of Glencoe.
4. Sketch the career of the second Pitt.
5. Tell the story of the subjugation of Greece by Rome, and note the effect on Rome of her contact with Greece.
6. Contrast the spirit and institutions of Sparta with those of Athens.
7. Describe briefly the character and deeds of Pericles.
8. Give the situation of the following places and say for what they are famous :—Aegospotami, Leuctra, Cumæ, Actium, and Capua.

9. Give the boundaries and chief cities of Alsace and Lorraine, Bulgaria, Belgium, and Denmark.

10. Describe the course of a journey by water from Toronto to Chicago and write notes on some five places of chief interest that would be passed on the journey.

---

## HONOUR PAPERS.

---

### LATIN.

---

Examiner : PROFESSOR BOYS, *Trinity*.

---

#### I.

Translate : Horace, Odes, B. I., XIV.

Write explanatory notes on the following : *Teucer Salamina patremque quum fugeret. Quid latet ut marinæ filium dicunt Thetidis? Pelidæ cedere nescii. Laborantes in uno Penelopen vitreamque Circen. Saliaribus dapibus. Panaetius. Panthoiden iterum orco demissum. Quid Tiridaten terreat securus. Centaurea Lapithis rixa super mero debellata.*

#### II.

Translate : Livy, B. XXII., Ch. 34, *from C. Terentio Varroni to quam diu imperare malit.*

1. Explain the terms *obnuntiare*, *interrex*, *vitio creari*, *lectisternium*, *Latinum nomen*, *supplicatio*, *decenviri*.

2. Write geographical notes on *Beneventum*, *Vultur-nus*, *Sinuessa*, *Geronium*, *Canusium*, *Lilybæum*.

3. Write a short critique of Livy as a historian, and mention his most illustrious literary contemporaries.

## III.

Translate at sight: Livy, B. VIII., ch. 22 *from* Palaeopolis fuit *to* bellum fieri iussit.

---

**LATIN AND GREEK GRAMMAR.**

---

Examiner: PROFESSOR BOYS, *Trinity*.

1. Give a list of Latin concessive conjunctions, marking those that require the subjunctive mood.

2. Give the significations of derivative nouns ending in *culus*, *iades*, *arium*, *itas*, *crum*.

3. State the various relations of one action to another that may be expressed by the Latin participle.

4. State the nature and construction of the gerund, and gerundive.

5. Give the commonest forms of the conditional sentence in Latin.

6. Give the meanings of ἐπί with dat ; πρὸς with genit. ; παρὰ with accusat.

7. State the uses of the Greek dative case, giving the equivalents for those that are expressed by some other case in Latin.

8. Give rules with regard to the attraction of the relative.

9. Give rules for moods in dependent clauses of oratio obliqua in Greek.

10. State the constructions of ὥστε, πρίν, μὴ οὐ, and the distinction between οὐ βούλομαι οὐδένα ὁρᾶν and οὐ βούλομαι μηδένα ὁρᾶν.



**LATIN AND GREEK COMPOSITION.**

---

Examiner : PROFESSOR FLETCHER, *Queen's*.

---

I.

Translate into Latin :

- (a) I do not wish the interests of so wicked a man as this to be consulted by any one.
- (b) If he had won the crown, he would have put all the good men in the country to the sword.
- (c) Born at Rome, he lived for sixty years at Corinth, and then, in his old age, went to the beautiful city of Marseilles in France, where he died.
- (d) When he had captured their stronghold, feeling that it was of the utmost consequence to all that the king should be apprised of the fact, he sent three horsemen to him with news of the capture.
- (e) He denied that there was any need of haste in the accomplishment of their plans. The enemy, (he said) was more than three days march away. Let them therefore make their intended preparations with calmness and go forth without hesitation to meet him in the field.

II.

Translate into Greek :

- (a) He thought that he should arrive at Athens within three days.
- (b) Let us ask him how many of the enemy were killed in that battle.

- (c) They knew that they had lost (*ἀπόλλυμι*) many more ships and men than we.
- (d) He would have been afraid that all the cities in the country would have been destroyed.
- (e) Do not fancy that he has risen (*χωρέω*) to such a height of power in one day.

---

**GREEK.**

---

Examiner: PROFESSOR FLETCHER, *Queen's*.

---

1.

Translate: Demosthenes, *Olynthiac* II., §§ 22–24.

1. Parse *δοίη, ἐλοίμην, πλείους, καθήμεθα, ἔνι, περιῖμεν*.
2. Explain the syntax of *προσπολεμῆσαι, δοίη, ὑμῶν αὐτῶν, ἔχειν, ἐνούσας, ἦν, ὦν*.
3. *Μηδὲν ποιοῦντες*. Why *μηδὲν*? Illustrate briefly the chief uses of *μή*.
4. Sketch the career of Philip of Macedon down to the date of the second *Olynthiac*.

II.

Translate: Homer, *Iliad*, B. XXII., 344–364.

1. Parse *ἀνείη, ἐδμέναι, ἔοργας, ὑπόσχωνται, ἀνώγοι, τέκεν, δάσονται, πταμένη*.
2. Explain the syntax of *γούνων, ἀνείη, ἀπαλάλκοι, στήσωσ', ἀνώγοι, λεχέεσι, πείσειν, ἡματι*, and compare it in each case with the Attic idiom.
3. Give Attic Greek for *τοκῶν, κεν, φράζω, ἐόντ', πύλῃσιν, ὄν*.

4. Derive *δπόδρα*, *ἐλκοσινήριτ'*, *κορυθαίολος*, *μήνιμα*, and explain *Ἀϊδόσδε*.

### III.

Translate at sight: Xenophon, *Anab.*, B. III., ch. I., §§ 35, 6.

#### ENGLISH.

Examiner: PROFESSOR FERGUSON, *Queen's*.

1. What is the position of the Merchant of Venice in the usual classification of Shakespeare's Dramas?

2. Where, besides in the Merchant of Venice, is the tale of the caskets found, and where the incident of the pound of flesh?

3. Give the meaning of the following passages, and explain the allusions:

And her sunny locks  
Hang on her temples like a golden fleece;  
Which makes her seat of Belmont Colchos' strand,  
And many Jasons come in quest of her.

If Hercules and Lichas play at dice  
Which is the better man, the greater throw  
May turn by fortune from the weaker hand;  
So is Alcides beaten by his page.

My father, who being more than sand-blind, high-  
gravel-blind, knows me not.

Adieu! tears exhibit my tongue.

Therefore, thou gaudy gold,  
Hard food for Midas, I will none of thee. .

Now he goes  
With no less presence, but with much more love  
Than young Alcides, when he did redeem  
The virgin tribute paid by howling Troy  
To the sea-monster.

A Daniel come to judgment!

Peace, ho! the moon sleeps with Endymion  
And would not be awaked.

4. Quote Portia's words to Bassanio beginning :

You see me, Lord Bassanio, where I stand,  
Such as I am, &c.

5. Write a short criticism of the character of Shylock.

### ALGEBRA.

Examiner: PROFESSOR DUPUIS, M.A., *Queen's*.

1. Show that  $(\Sigma a)^4 + \Sigma a^4 - \Sigma(a+b)^4 = 12abc\Sigma a$ , the three letters  $a, b, c$  being involved.

2. By division, expand the fraction  $\frac{1+x}{1-x}$  into a series in ascending powers of  $x$ .

If  $y = (1-z) + (1-z)^2 + (1-z)^3 + \dots$   
and  $z = 1+x+x^2+x^3 + \dots$   
express  $y$  in terms of  $x$ .

3. Put into linear factors

$$(a) \dots a(b^3 - c^3) + b(c^3 - a^3) + c(a^3 - b^3)$$

$$(b) \dots a^2b^2 - \frac{1}{4}(a^2 + b^2 - c^2)^2$$

$$(c) \dots x^4 - 3x^2 + 1.$$

4. If  $\alpha, \beta$  be the roots of the quadratic  $px^2 + qx + r = 0$  show that,  $\alpha + \beta = -\frac{q}{p}$ , and  $\alpha\beta = \frac{r}{p}$ ; thence show that the roots of  $rx^2 + qx + p = 0$  are  $\frac{1}{\alpha}$  and  $\frac{1}{\beta}$ .

If  $(x-1)(x-w)(x-w^2) = x^3 - 1$ , find the values of  $w$  and  $w^2$ .

5. Prove that a surd cannot be the sum of two other surds, unless they are all reducible to the same surd factor.

Extract the square root of  $8 + 2\sqrt{15}$ .

6. Show that the effect of adding the same quantity to both terms of a ratio is to bring the value of the ratio nearer to unity.

If the ratio of  $a - 1$  to  $b - 1$  is  $\alpha$ , and of  $a + 1$  to  $b + 1$  is  $\beta$ , find the ratio of  $a$  to  $b$ .

7. Establish the formula  $s = \frac{1}{2}n\{2a + (n - 1)d\}$  for the sum of an arithmetic progression.

Twenty annual payments of \$100 each are made into a bank. Find the accumulated sum at the time of the last payment, money being reckoned at 6 per cent simple interest.

8. A cubic block of lead has its weight varying as the cube of its edge. When the edge is 2 the weight is 12. Express the consequent relation between the weight and the surface.

9. In the following equations :

$$(a). \dots \frac{1 - ax}{1 + ax} \cdot \sqrt{\left(\frac{1 + bx}{1 - bx}\right)} = 1, \text{ determine } x.$$

$$(b). \dots x + y = xy = x^2 - y^2, \text{ determine } x \text{ and } y.$$

$$(c). \dots \left. \begin{array}{l} x = r \cos \theta \\ y = r \sin \theta \\ r = a \cos \theta \end{array} \right\} \text{ eliminate } \theta \text{ and } r \text{ and find an equation connecting } x, y \text{ and } a.$$

---

### EUCLID.

---

Examiner : PROFESSOR DUPUIS, M.A., *Queen's*.

1. Any two sides of a triangle are together greater than the third. (Euc. I., 20).

From any point on the internal bisector of the vertical angle of a scalene triangle lines are drawn to the extremities of the base. Prove that the difference between these lines is less than the difference between the sides of the triangle.

2. The square upon a side of a triangle opposite an acute angle is less than the sum of the squares on the other two sides by twice the rectangle under one of these sides and the projection of the other upon it. (Enc. II., 13).

$ABCD$  is a quadrilateral whereof the sides  $AD$  and  $BC$  are parallel; show that

$$AC^2 + BD^2 = AB^2 + CD^2 + 2AD \cdot BC.$$

3. The angle in a semicircle is a right-angle. (Enc. III., 31 in part). State the converse of this.

The three circles having the three sides of a triangle as diameters have all their intersections lying on the sides of the triangle.

4. Inscribe a circle in a given triangle. (Enc. IV., 4).

Show how to construct three other circles which shall each touch the three sides of the triangle.

5. State all the cases under which two triangles are similar. Under what conditions are rectilinear figures, which are not triangles, similar?

6. A line parallel to the base of a triangle divides the sides proportionally, and *conversely*. (Enc. VI., 2).

Divide a given line into segments which shall be to one another as  $1 : \sqrt{2}$ ,

7. The sides about the equal angles of equiangular triangles are proportional, the homologous sides being opposite the equal angles. (Enc. VI., 4).

The triangle  $ABC$  has each of the angles at  $A$  and  $C$  double the angle at  $B$ , and  $AD$  is drawn bisecting the angle at  $A$  and cutting  $BC$  in  $D$ . Show that  $BD^2 = BC \cdot DC$ .

## TRIGONOMETRY.

Examiner: PROFESSOR A. R. BAIN, *Victoria*.

1. If the angle at the centre of a circle which is subtended by the side of a regular octagon be taken as the unit of measure, by what number is that angle represented whose circular measure is  $\frac{22}{7}$  or  $\pi$ ?

2. If the minute hand of a clock is 2 ft. 11 inches in length and if  $\pi = \frac{22}{7}$ , how far will the point of the hand move in 12 minutes?

3. Find  $\theta$  in each of the following equations:—

$$(a) \quad 2 \tan^2 \theta + \sec^2 \theta = 2$$

$$(b) \quad \sin \theta \cos \theta + \sin^2 \theta = \frac{1 + \sqrt{3}}{4}$$

4. The  $\cot \varphi = 1 + \sqrt{2}$ ; find all the other functions of  $\varphi$ , supposing  $\varphi$  to be in the third quadrant.

5. Prove the following identities:—

$$(a) \quad \frac{\cos (\alpha + \beta + \gamma)}{\cos \alpha \cos \beta \cos \gamma} = 1 - \tan \alpha \tan \beta - \tan \beta \tan \gamma - \tan \alpha \tan \gamma.$$

$$(b) \quad \frac{\sin x + \sin 3x + \sin 5x}{\cos x + \cos 3x + \cos 5x} = \tan 3x.$$

$$(c) \quad 1 + \tan x \tan \frac{1}{2} x = \sec x.$$

6. Show that  $\tan^{-1} \frac{1}{7} + 2 \tan^{-1} \frac{1}{3} = 45^\circ$ .

7. Prove that in any triangle  $\cos A = \frac{b^2 + c^2 - a^2}{2bc}$ , and then find the formula which gives the value of  $\tan \frac{1}{2} A$  in terms of the sides.

8. In a given triangle  $A=30^\circ$ ,  $B=60^\circ$  and  $C=90^\circ$  and the perpendicular from  $C$  upon  $c=q$ . Shew that the area of the triangle  $= \frac{2q^2}{\sqrt{3}}$ .

9. The angle of elevation of a tower is observed. At a point  $a$  ft. nearer, the elevation is the complement of the former;  $b$  ft. nearer still, it is double the first elevation. Shew that the height of the tower is

$$\sqrt{(a+b)^2 - \frac{a^2}{4}}.$$

10. If the angles  $A, B, C$  of the triangle  $ABC$  be as 2, 3, 4 respectively, then  $2 \cos \frac{A}{2} = \frac{a+c}{b}$ .

---

**PROBLEMS.**

---

Examiner: PROFESSOR DUPUIS, M.A., *Queen's*.

1. If two numbers be each the sum of two squares the product of the numbers is the sum of two squares.

2. Find the form of a rectangular field of a given area so that the cost of fencing three sides of it may be the least possible.

3. A boat which can make 10 miles an hour in still water steers at half a right angle up a stream which flows at the rate of 4 miles an hour. Find the real velocity of the boat, and the angle between its direction and that of the stream.

4. A circle is inscribed in an equilateral triangle; a second circle is inscribed to touch the first and two sides of the triangle; a third circle to touch the second and the same two sides, and so on indefinitely. Compare



the limit of the sum of the areas of all these circles with that of the circle having the side of the triangle as diameter.

5. If  $AA_1$ ,  $BB_1$  be the diagonals of a rectangle,  $O$  their point of intersection and  $P$  any point whatever; then

$$PA^2 + PB^2 + PA_1^2 + PB_1^2 = 4PO^2 + AA_1^2.$$

6. Two chords are drawn in a circle. Find a point upon the circle from which perpendiculars upon these chords are proportional to the lengths of the chords.

7. If  $a$ ,  $b$  are the sides of a parallelogram and  $\theta$  the angle between them, one diagonal is double the other when

$$\cos \theta = \frac{3}{10} \left( \frac{a}{b} + \frac{b}{a} \right)$$

---

**FRENCH.**

---

Examiner: PROFESSOR L. E. HORNING, B.A., *Victoria*.

---

I.

Translate: *Le Verre d'Eau*, Act. I., Scene 2, from BOLINGBROKE. *Oui... les jours to au parlement et au pays.*

1. Give principal parts of *conduire*, *tiens*, *vaincus*, *comprendre*.

2. *Cinq cent mille hommes.*

Translate: Five hundred soldiers, eighty-one horses. In the year four hundred. There were three hundred of us.

3. Criticise Scribe's treatment of the historical characters in this comedy.

## II.

Translate: *Le Verre d'Eau*, Act. V., Scene 4, *from* ABIGAIL, *tout émue to Abigail sort par la porte du fond à gauche.*

1. *Du fond.*

Translate: The front of the stage. The centre of the stage. To come forward on the stage. To retire (go off) from the stage.

2. *Venais annoncer.*

Distinguish from *venais à annoncer* and *venais d'annoncer*.

3. *Allez les lui porter.*

(a) Give brief rules for order of position of pronouns as objects.

(b) Translate: He wears a green coat but it does not become him as well as a black. Well then, why doesn't he try on this one, and if it fits him, he may have it very cheap?

## III.

Translate into French :

1. If poor Marquis de Torcy does not succeed in his mission, it will be the death of him.

2. Arrayed in his best, he used to visit the Queen, Saturdays at 3:20 P.M.

3. Ferdinand listened calmly to Columbus, Isabella with enthusiasm. At first sight and on his first words she conceived for this messenger of God an admiration bordering on fanaticism, a liking akin to affection. Nature had given to the person of Columbus the charm which captivates the eye as well as the eloquence, which wins over the reason. One would have said that she (nature) destined him to have for chief apostle a queen, and that the truth with which he was to endow his age, was to be received by and nourish-

ed in the heart of a woman. Isabella was that woman. The constancy of her favor for Columbus flagged neither before the indifference of her court nor before his enemies nor before his reverses. She believed in him from the first day. She was his proselyte upon the throne and his friend even to the tomb.

## IV.

Translate : Souvestre, Souvenirs d'un Vieillard, *from*  
C'est aujourd' hui *to* grossières et indifférentes.

---

GERMAN.

---

Examiner : PROFESSOR L. E. HORNING, B.A., *Victoria*.

---

## I.

Translate : Schiller, Die Belagerung von Antwerpen,  
*from* Es ist ein anziehendes *to* einen unsterblichen  
Namen erwarb.

1. Mangel. Distinguish meanings according to  
gender. Give a list of six similarly distinguished.

2. Willen. Decline.

3. Der Stadt Antwerpen. Give rules for declension  
of proper nouns.

4. Feldherrn. What declension ?

## II.

Translate : Ibid, *from* Jene Ebene nämlich *to* ihn bis  
aufs äusserste zu behaupten.

1. Durchschneidet. Distinguish meanings of this  
verb according as "durch" is separable or inseparable.

2. Hoher. Compare.

3. Ein solcher Damm. Decline in singular and plural. Also, decline German for "*Such bad weather.*"

4. Dorfe. Give plural.

5. Aufs äusserste. What form of superlative? Any other way of expressing it? What other words compared like *äusserste*?

### III.

Translate: Schiller, Die Kraniche von Ibycus, *from* Wohl dem *to* dort nicht frei.

1. Parse *dem* (l. 1), *ihm* (l. 3), *verstohlen* (l. 5), *fliehend* (l. 9), *frei* (l. 16).

2. Give principal parts of *bewahrt*, *dürfen*, *nahn*, *vollbracht*, *entspringen*, *fallen*, *geben*.

3. Where did the incidents in this story take place? In what connection do the following names occur:—Apoll, Phocis, Timotheus, Erinyen, Eumeniden, Prytanen?

### IV.

Translate into German:

Two benevolent Fairies stepped up to the cradle of a young prince who afterwards became one of the greatest princes of his country.

I present to this darling of mine, said the one, the sharp-sighted glance of the eagle whom not even the smallest gnat (*Mücke*) in his wide kingdom, escapes.

The present is beautiful, said the second fairy interrupting her. The prince will be a judicious monarch. But the eagle possesses not only the shortsightedness to see the smallest gnat; he possesses also such a noble contempt as not to hunt it. And let the prince take this as my present.

### V.

Translate at sight: Lessing, Fabeln, *from* Ein ehrlicher Greis *to* des Gesammelten genießen.

HISTORY AND GEOGRAPHY.

---

Examiner : REV. PROFESSOR REYNAR, *Victoria*.

1. Give an account of the principles, numbers and fortunes of the U. E. Loyalists.
2. Sketch the history of the establishment of British rule in India. Give dates and important names.
3. Compare the characters and administrations of Horace Walpole and "the great commoner."
4. Explain the historical significance of the following names:—Hampden, Sacheverell, Wilkes, Junius, Adam Smith.
5. What led to the formation of the second *triumvirate* in ancient Rome? Record the fate of its members.
6. Describe the condition of the empire, political, industrial, and moral, under Augustus. Give the names of the leading writers of his age.
7. When was the golden age of Grecian art and literature? Give its great names and say for what each name is famous.
8. Make an outline map of the Mare Hadriaticum and mark in proper place Brundisium, the Rubicon, Epidaurus, Cannæ, Dyrrhachium, and Aquileia.
9. Make an outline map of Australia, showing boundaries, names, and capitals of the various colonies.
10. Give the dimensions of the great lakes of Canada, with name, location, and population of the largest Canadian town on each lake.

**BOTANY.**

---

Examiner: PROFESSOR COLEMAN, PH.D., *Victoria.*

1. How does a seed differ from a spore? What plants produce seeds and what spores?

2. When a seed, such as that of the bean, sprouts, what parts can be distinguished and what are their uses? Give a rough sketch.

3. How does Indian corn differ from the bean in respect to seed leaves?

4. Describe the chief kinds of roots, showing their uses in the life of the plant.

5. Is a potato a root? Give reasons for your answer.

6. Describe the kinds of cells found in the epidermis of a leaf. What functions have they?

7. What are the substances necessary to plant life and how are they obtained?

8. Mention a plant belonging to the Crowfoot family and one belonging to the Pine family, showing the characteristic points in each.

---

**CHEMISTRY.**

---

Examiner: PROFESSOR COLEMAN, PH.D., *Victoria.*

1. Describe two ways in which Hydrogen can be prepared, giving equations. What are the properties of the gas produced?

2. How much does a litre of Oxygen, of Nitrogen and of Chlorine weigh as compared with a litre of Hydrogen? Why is Hydrogen chosen as standard?

3. (a) If metallic Sodium be allowed to act on 20 cu. centimetres of Hydrochloric acid gas what product is formed? (b) When the reaction is complete how much gas is left? (c) What experiment will show the nature of the gas left?

4. (a) Give the usual method of preparing Sulphuric acid, showing by equations the reactions that take place. (b) What are the properties and uses of this acid, and what is the usual test for it?

5. What volume of Oxygen when combined with Hydrogen (under standard conditions) will produce 10 grams of water?

6. How does chemical affinity differ from cohesion?

7. Write the names and symbols of four compounds containing Sulphur.

8. (a) Who discovered Oxygen? (b) Who showed its true importance and overthrew the phlogistic theory?

---

### PHYSICS.

---

Examiner: PROFESSOR COLEMAN, PH.D., *Victoria*.

1. What is meant by specific gravity? How can you determine the specific gravity of a piece of gold? Why does iron float on quicksilver?

2. Two rods, one of iron, the other of stoneware, have one end thrust into the fire; what effect is produced respectively on the hands holding them, and why this difference?

3. Describe and sketch a mercurial thermometer. What are its uses and what property of bodies with respect to heat does it illustrate?

4. What is heat and how can it be transmitted?
5. How does light differ from heat?
6. Show by a sketch the effect of a convex lens on rays of light. Does a lens magnify as much in water as in air? Give reason for your answer.
7. Is gravitation a force that can be compared with heat or light?
8. Define "solid," "liquid," "gas."
9. In what ways may a gas be changed to a liquid and a liquid to a solid?

---

**MOWAT SCHOLARSHIP.**

---

1. Simplify—
$$\frac{\frac{10}{3}(2\frac{1}{5} - \frac{3}{4}) + 2\frac{2}{3}}{1 - \frac{2}{5} + \frac{3}{4} + \frac{95}{12}}$$
2. Reduce to vulgar fraction  $0.38\dot{6}\dot{3}$ .
3. A piece of carpet 16 in. long and  $14\frac{1}{2}$  in. wide costs 24 cents. What is the price per running yard of the same carpet, it being 30 inches wide?
4. \$125 is put at simple interest and amounts to \$205. Find the rate and time, when the rate per cent is equal to the number of years the money is out.
5. *A* and *B* run a race of 100 yards. *A* runs 3 yds. while *B* runs 2. But *B* gets 30 sec. the start and comes in 5 rods ahead. How many rods per minute does each run?



6. Two clocks begin to strike 9 together. One strikes its 9 strokes in 20 sec. and the other in 25 sec. What fraction of a minute intervenes between their 7th strokes? And what strokes are struck together?

7. One wheel of a carriage has a circumference of 15 ft.  $2\frac{1}{2}$  in. and the other 12 ft.  $6\frac{2}{3}$  in. How far has the carriage gone when one wheel has gained exactly 1 revolution on the other?



# CALENDAR

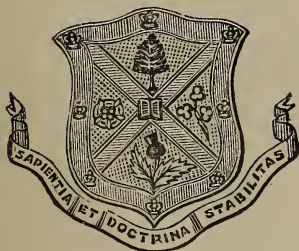
OF

*Queen's College and University,*

KINGSTON, CANADA,

*For the Year 1888-89.*

PART II.



INCORPORATED BY ROYAL CHARTER, A.D. 1841.

---

KINGSTON :

PRINTED FOR THE UNIVERSITY BY WM. BAILIE.  
1888.



# *HONOURS, PRIZES, MEDALS, &c.*

---

## **HONOURS.**

FROM 1877.

- Allen, Thomas G. First-class in Natural Science, 1888.  
Barclay, W. B. C. Second-class in Latin, History and English, 1888.  
Beall, Arthur W. First-class in French and German,  
First-class in Latin, 1888.  
Binnie, James. First-class in Political Economy, 1888.  
Briden, Wm. H. First-class in Classics, 1879.  
Cameron, Chas. J. First-class in Classics, 1882.  
Claxton, John. First-class in French and German, 1888.  
Second-class in Latin, 1888.  
Clyde, Wm. First-class in Greek, 1886.  
Connell, Jas. C. First-class in Mathematics, 1885.  
Cooke, John. Second-class in Latin, 1884.  
Davis, Bidwell N. First-class in Mathematics, and first-class in  
Chemistry, 1881.  
Drummond, Wm. J. Second-class in Classics, 1885.  
Dunlop, J. G. First-class in French and German, 1886.  
Second-class in English, 1887.  
Second-class in History, 1887.  
Dupuis, James M. First-class in Chemistry, 1879.  
Dyde, Samuel W. First-class in Classics, 1881.  
First-class in Philosophy, 1884.  
Elliott, Edwin. First-class in History, 1886.  
Second-class in English, 1886.  
Second-class in French and German, 1886.  
Ferguson, Robt. First-class in History and English Literature, 1882.  
Findlay, John. First-class in Mathematics, 1887.  
Finlay, William A. First-class in Classics, 1888.  
Fitzgerald, Eliza S. First-class in Classics, 1884.  
Folger, Marion. First-class in French and German, 1886.  
Fowler, Henry C. First-class in History and English Literature,  
1881.  
Gandier, Alfred. First-class in History and English Literature, 1883.  
First-class in Philosophy, 1886.  
Gardiner, S. H. First-class in Natural Science, 1886.  
First-class in Chemistry, 1886.  
Givan, Arpad. First-class in Mathematics, 1883.

- Givens, David A. First-class in Mathematics and Physics, 1878.
- Haig, Andrew. Second-class in Chemistry, 1888.
- Hales, James. First-class in Chemistry, 1888.
- Hartwell, George E. Second-class in Classics, 1888.
- Hay, Arthur G. First-class in Political Economy, 1888.
- Hay, John. First-class in Philosophy, 1882.  
First-class in Political Economy, 1884.
- Henderson, George F. First-class in English Literature, 1884.
- Horsey, H. E. First-class in Mathematics, 1886.
- Hume, John P. First-class in Mathematics and Physics, and first class in Chemistry, 1881.
- Hunter, James McF. First-class in History and English, 1886.
- Irvine, Richard W. Second-class in Latin, 1881.
- Irvine, William H. First-class in Mathematics and Physics, 1877.
- Johnston, Joshua R. Second-class in History and English Literature, 1882.
- Kilborn, Omar L. First-class in Chemistry, 1887.
- Linton, Adam R. First-class in Classics, 1880.  
First-class in Philosophy and second-class in Chemistry, 1881.
- Logie, William A. First-class in Classics, 1887.
- Marshall, John. First-class in Philosophy, 1887.
- Miller, John. Second-class in History and English, 1886.  
Second-class in French and German.
- Mitchell, George W. Second-class in Classics, 1885.
- Morden, Gilbert W. Second-class in Chemistry, 1888.
- McClement, William T. Second-class in Chemistry, 1887.  
First-class in Natural Science, 1888.
- Macdonald, George. First-class in Classics, in History and English Literature, and in Philosophy, 1878.
- Mackenzie, Arch. A. First-class in Classics, in History and English Literature, and in Philosophy, 1877.
- McKenzie, Malcolm. First-class in Philosophy, 1888.
- McCallum, Arch. B. First-class in Philosophy, 1880.
- McCull, Allan E. Second-class in Mathematics, 1885.
- McGillivray, Alice. First-class in Chemistry, 1884.
- McKay, Matthew. First-class in History, 1879.
- McKay, Roderick. First-class in Latin, 1881.
- McKinnon, John. First-class in Mathematics, 1886.
- McLennan, Finlay M. First-class in Mathematics and Physics, 1878.
- McLeod, Alex. First-class in Political Economy, 1882.
- McLeod, Peter A. First-class in Political Economy, 1887.
- McMillan, Hugh H. Second-class in Mathematics and Physics, 1879.
- McRae, T. W. R. First-class in History and English, 1886.
- McTavish, Daniel. First-class in Classics, 1879.  
First-class in Philosophy, 1881.

- Nicol, William. First-class in Chemistry, 1883.  
 First-class in Natural Science, 1885.  
 First-class in History and English, 1886.
- O'Reilly, James R. First-class in Political Economy, 1881.
- Parker, Frank R. First-class in Classics, 1887.
- Patterson, William J. First-class in Mathematics, 1888.
- Ritchie, George. First-class in Classics, in History and English Literature and Philosophy, 1887.
- Robertson, Miles S. First-class in French and German, 1880.
- Ross, Alex. H. D. Second-class in Mathematics, 1888.
- Scott, Colin A. First-class in Chemistry and second-class in Natural Science, 1885.
- Shannon, Lewis W. First-class in Chemistry, 1880.
- Sharp, John. First-class in Political Economy, 1888.
- Shibley, Henry T. First-class in Political Economy, 1880.  
 First-class in History, 1882.
- Shorey, Edmund C. First-class in Natural Science, 1886.  
 First-class in Chemistry, 1886.
- Shortt, Adam. First-class in Philosophy, 1883.
- Smith, Alex. L. First-class in Greek, 1881. Second-class in Latin, 1882.
- Stewart, William. First-class in Mathematics and Physics, 1879.
- White, James W. Second-class in Chemistry, 1888.
- Wilson, Harry L. First-class in Classics, 1888.
- Wright, John J. First-class in Political Economy, 1887.
- Young, John. First-class in History and English Literature, 1881.

### **HONOURS IN PART OF COURSE, 1888.**

- Bowerman, John T. First-class in Botany, 1st year.  
 First-class in Zoology, 2nd year.  
 First-class in Geology, 1st year
- Carmichael, Norman R. First-class in Mathematics, 2nd year.
- Corkill, Edward J. Second-class in Botany, 1st year.
- Curle, William. First-class in Solid Geometry.
- McLean, Godwin V. Second-class in Determinants, Theory of Equations, &c.
- Nelson, John. First-class in Mathematics, 2nd year.
- Walker, Thomas L. First-class in Chemistry, 1st year.

### **GOLD MEDALLISTS.**

FROM 1877.

- Allen, Thomas G. Chemistry, 1888.
- Briden, William. Classics, 1879.
- Cameron, Charles J. Classics, 1882.

- Nicol, William. Chemistry, 1883.  
O'Reilly, James R. Political Economy, 1881.  
Patterson, William J. Mathematics, 1888.  
Scott, Colin A. Chemistry, 1885.  
Shibley, Henry T. Political Economy, 1880.  
Shortt, Adam. Philosophy, 1883.  
Shorey, Edmund C. Chemistry, 1886.  
Stewart, William. Mathematics, 1879.  
Wilson, Harry L. Classics, 1888.

### SILVER MEDALLISTS.

FROM 1884.

- Beall, Arthur W. French and German, 1888.  
Finlay, William A. Classics, 1888.  
Folger, Marion. French and German, 1886.  
Hay, Arthur G. Political Economy, 1888.  
Hay, John. Political Economy, 1884.



- Henderson, George F. History, 1884.  
 Mitchell, George. Classics, 1885.  
 McClement, William T. Natural Science, 1888.  
 McLeod, Peter A. Political Economy, 1887.  
 Nicol, William. Natural Science, 1885.  
 Parker, Frank R. Classics, 1887.  
 Shorey, Edmund C. Natural Science, 1886.
- 

### PRINCE OF WALES PRIZEMEN.

- 1869—Robert Crawford, Kingston.  
 1870—Thomas H. McGuire, Kingston.  
 1871—Hugh Urquhart Bain, Perth.  
 1872—Archibald P. Knight, Renfrew.  
 1873—William Arthur Lang, Almonte.  
 1874—Donald Malcolm McIntyre, Kingston.  
 1875—Thomas Dickie Cumberland, Rosemont.  
 1876—John Brown McLaren, Kingston.  
 1877—John Reeve Lavell, Kingston.  
 1878—David Alexander Givens, Kingston.  
 1879—Matthew McKay, Bradford.  
 1880—William Briden, Bath.
- 

### UNIVERSITY PRIZES, 1888.

- Governor-General's Prize. William J. Patterson, B.A.  
 Gowan Prize. Thomas G. Allen, B.A.  
 Lewis Prize. Peter A. McLeod, B.A.
- 

### SCHOLARSHIPS IN ARTS, 1888.

#### I. GAINED AT MATRICULATION EXAMINATION.

- Ireland, F. A. W. "Mackerras Memorial," Classics.  
 Gandier, D. McG. "Gunn," General Proficiency, with the honour  
 of the "Watkins" and the "Leitch Memorial."  
 Chambers, Mary M. "Watkins," (Kingston Collegiate Institute.)  
 McNab, Minnie. "Leitch Memorial No. 1," Mathematics.  
 Arthur, Colin C. "Senate No. 1."  
 Lowe, George L. " " 2.  
 Baker, Herbert W. } " " 3.  
 Thomson, D. }  
 Black, John A. "Mowat," Arithmetic.  
 McDonald, D. D. "M. C. Cameron," Gælic.

- Leitch, James A. "McNab and Horton." (By nomination of donors).  
 McKay, John. }  
 Cattanach, James. } "M. S. McDonald." (Limited to students  
 Cameron, J. Craig. } from Glengary.)

## II. GAINED AT SESSIONAL EXAMINATIONS.

- Heap, Frederick. "Foundation No. 1," Senior Latin.  
 Ireland, F. A. W. " " 2, Senior Greek  
 Shibley, Laura. " " 3, Senior English.  
 Millar, John M. " " 4, Junior Philosophy.  
 Horne, Janet. }  
 Carmichael, Norman R. } " " 5, Junior Physics.  
 Walker, Thomas L. " " 6, Junior Chemistry.  
 Cameron, C. Alice. "Nickle," Natural Science.  
 Hamilton, C. F. "Cataraqui," History.  
 Gandier, D. McG. "St. Andrew's Church, Toronto," Junior Greek.  
 With the honour of the "Glass Memorial."  
 Black, John A. "Glass Memorial," Junior Mathematics (close).

---

## SCHOLARSHIPS IN THEOLOGY, 1888.

### I. GAINED AT MATRICULATION EXAMINATION.

- McLeod, Peter A., B.A. "David Strathern Dow."  
 Bryan, George J. "Buchan No. 1."  
 Rattray, James, B.A. "Buchan No. 2."  
 McLean, James M., B.A. "Dominion."

### II. GAINED AT SESSIONAL EXAMINATIONS.

- Wright, J. J., B.A. "Anderson No. 1," Second year Divinity.  
 McLeod, Peter A., B.A. " " 2, First " "  
 Drummond, W. J., B.A. " " 3, Third " "  
 Bennet, Orr, B.A. "Hugh McLennan," Church History.  
 Cosgrove, T. A., B.A. "Toronto, No. 1," Second year Hebrew.  
 Fowler, W. J., M.A. " " 2, Third " "  
 McKinnon, John, B.A. "Rankine," Apologetics.  
 Rattray, James, B.A. "Spence," General Proficiency in First year  
 Theology.
-

**LIST OF GRADUATES.****BACHELOR OF ARTS (B.A.)**

(Sept. 30, 1887.)

Carmichael, James F.  
 Cornett, William H.  
 Givens, Hannah A.

Dunlop, John G.  
 Dupuis, Charles B.

(April 23, 1888.)

Allen, Thomas G.  
 Bain, Angus U.  
 Barclay, William B. C.  
 Beall, Arthur W.  
 Bryan, George J.  
 Cameron, Charlotte A.  
 Cameron, James C.  
 Chambers, Alice.  
 Claxton, John A.  
 Finlay, William A.  
 Givens, William R.  
 Haig, Andrew.  
 Hales, James.  
 Hartwell, George E.  
 Holdcroft, William T.  
 Hunter, Robert J.  
 Kelly, John J.  
 Kilborn, Omar L.

Kirk, Frederick J.  
 Lavell, Harry A.  
 Leask, Harry.  
 Lochhead, Lachlin T.  
 Morden, Gilbert W.  
 Morden, Wilson S.  
 McClement, William T.  
 McDonald, John A.  
 Macfarlane, Andrew K. H.  
 McKay, John.  
 McKenzie, Archibald.  
 Patterson, William J.  
 Pirie, Edwin.  
 Scott, T. Beckett.  
 Scott, T. Reid.  
 Sinclair, Robert C. H.  
 Thompson, William McC.

**MASTER OF ARTS (M.A.).**

Findlay, John, B.A.  
 Logie, William A., B.A.

Mackenzie, Archibald A., B.Sc.  
 Wilson, Harry L., B.A.

**BACHELOR OF DIVINITY (B.D.)**

Fowler, William J., M.A.

**DOCTOR OF MEDICINE (M.D.) AND MASTER OF SURGERY (C.M.)**

Baker, Thomas C.  
 Bateman, Francis J.  
 Chamberlain, Mason P.  
 Connell, James C., M.A.  
 Cooke, William H.  
 Craine, Agnes D.  
 Downing, William H.  
 Embury, Elizabeth.

Fraser, John B.  
 Gillis, Angus B.  
 Harding, William E.  
 Henderson, Kenneth.  
 Horsey, Edward H.  
 James, Charles.  
 Jamieson, David.  
 Jamieson, Thomas J.

Kalbfleisch, Frederick H.  
 Koyle, Francis H.  
 Lawyer, Annie.  
 Livingston, John S.  
 Mabee, Curtis O.  
 Mallory, Charlie N.  
 Maxwell, William J.  
 Mitchell, Elizabeth S.  
 McCammon, Samuel H.  
 McCullough, Thomas P.  
 McGillivray, T. Shannon.  
 McGrath, Edward.  
 Ogilvie, Nettie.  
 O'Neil, Thomas

Pratt, William F.  
 Pratt, Wilton.  
 Robertson, John W.  
 Robinson, Robert P.  
 Scott, Patrick J.  
 Smellie, Donald McK.  
 Smith, James F.  
 Thomson, Hiram B.  
 Wade, Robert J.  
 Wade, William R.  
 Walker, Archibald D.  
 Wardlaw, James S.  
 Whitney, Arthur W.  
 Wright, Thomas A.

---

### PASS LISTS.

#### Arts.

#### I. SUPPLEMENTARY EXAMINATIONS—SEPTEMBER, 1887.

---

##### *Junior Latin.*

Hamilton, C. F.  
 Turner, J. B.  
 Taylor, J. A.  
 Graham, A.  
 Asselstine, D. P.

Young, W. R.  
 Burns, S. S.  
 Robertson, S. G.  
 Cochrane, J. B.

##### *Senior Latin.*

Brown, J. G. W.  
 Burns, C. B.  
 Madden, J. H.  
 Carmichael, J. F.

Shurie, J. S.  
 Brown, F. M.  
 Boyd, J. D.  
 Bruce, E. W.

##### *Junior Greek.*

Hamilton, C. F.  
 Graham, A.  
 Taylor, J. A.  
 Robertson, S. G.

Marquis, T. G.  
 McDonald, D. D.  
 Sharp, J.  
 Hamilton, D. A.

##### *Senior Greek.*

Brown, J. G. W.

##### *Junior English.*

Chambers, M. M.  
 Hamilton, C. F.

Wilson, C. L. M.  
 Daly, C. H.

Bell, J.  
 Fowler, J.  
 Young, R.  
 Young, W. R.  
 Graham A.  
 Hamilton, D. A.

Shibley, L.  
 Lavell, A. E.  
 Taylor, J. A.  
 O'Connor, C.  
 Finlay, W. A.

*Senior English.*

Morden, W. S.  
 Gill, Sarah.  
 Kirk, F. J.  
 Hales, J.  
 Brown, J. G. W.  
 Brown, F. M.

Chown, S. T.  
 McDonald, Nerva.  
 Burns, S. S.  
 Kilborn, O. L.  
 Finlay, W. A.

*Junior Mathematics.*

Heap, F.

Taylor, J. A.

*Senior Mathematics.*

Holdcroft, W. T.

Lochhead, L. A.

*Junior Philosophy.*

Bowerman, J. T.  
 Madden, J. H.

Lochhead, L. T.  
 Kelly, J. J.

*Senior Philosophy.*

Barclay, W. B. C.

*Junior Physics.*

Macfarlane, A. K. H.  
 Bryan, G. J.  
 Allen, T. G.  
 Dunlop, J. G.  
 Cornett, W. H.  
 Givens, H. A.

Dupuis, C. B.  
 Claxton, J. A.  
 Griffin, E. S.  
 Stuart, W. A.  
 Pirie, E.  
 McDonald, N.

*History.*

Muirhead, J. W.

*Natural Science.*

Bowerman, J. T.

Holdcroft, W. T.

*Chemistry.*

Bowerman, J. T.

Turner, J. B.

*Junior French.*

Summerby, W. J.

Hales, J.

*Senior French.*

Summerby, W. J.  
Morden, W. S.

Burger, C. M.  
Kelly, J. J.

*Junior German.*

Carmichael, J. F.

*Senior German.*

Morden, W. S.  
O'Connor, C.

Carmichael, J. F.

## II. SESSIONAL EXAMINATIONS—APRIL, 1888.

*Junior Latin.*

Gandier, D. McG.  
Carmichael, N. R.  
Campbell, A. G. }  
Roddick, J. A. }  
Arthur, C. C. }  
Downing, J. J. }  
Stewart, W. R.  
Etherington, E. J.  
McDonald, H. S.  
Orr, A.  
O'Shea, J.  
Twitchell, M. C.  
Lavell, A. E.  
Beattie, J. A.  
Bedard, J. O.

Cunningham, A. B.  
Yourex, E. L.  
Chambers, M. M.  
Gillies, W. F.  
Black, J. A. }  
Boyle, T. }  
McLennan, D. L.  
Kellock, J. McC.  
Baker, H. W.  
Lockhart, T. J.  
Porteous, D. C.  
McIntyre, A. B.  
Young, O.  
Leitch, J. A.

*Senior Latin.*

Heap, F.  
Ireland, F. A. W.  
Hutcheson, R. J.  
Mills, J. H.  
Morden, W. G.  
Hamilton, C. F.  
Young, R.  
Millar, J. M.  
Shibley, L.  
Kirkpatrick, F. S.  
Sullivan, V.  
Swift, T.  
Bell, J.  
Taylor, J. A.  
Bristol, E. F.

Walkinshaw, W.  
Daly, C. H.  
Bethune, A.  
Brough, T. A.  
McPherson, N.  
Fowler, J.  
Varcoe, J. F.  
Smellie, J. F.  
Copeland, G. F.  
Cameron, J. C.  
Graham, A.  
Kelly, J. J.  
Wilson, C. L. M.  
Hayes, W. J.

*Junior Greek.*

Gandier, D. M.  
 Arthur, C. C.  
 Cowley, R. H.  
 Beattie, J. A.  
 Phalen, R. M.  
 Black, J. A.  
 Leitch, J. A.

Binnie, J.  
 McLennan, D. L.  
 Webster, C.  
 McIntyre, A. B.  
 Young, O.  
 Kellock, J. M.

*Senior Greek.*

Heap, F.  
 Ireland, F. A. W.  
 Carmichael, N. R.  
 Hutcheon, R. J.  
 Kirkpatrick, F. G.  
 Pergan, P.  
 Taylor, J. A.  
 Falconer, J. P.  
 Young, R.  
 Sinclair, J. A. }  
 Hunter, R. J. }  
 Walkinshaw, W.

Swift, J.  
 Hamilton, C. F.  
 Fitzpatrick, A.  
 Barclay, W. B. C.  
 McDonald, J. A.  
 Boyd, J. D.  
 Brough, T. A.  
 Graham, A.  
 Varcoe, G. F.  
 Sharp, J.  
 Madden, J. H.

*Junior English.*

McIntosh, W. D.  
 McCrossie, H.  
 Gandier, D. McG.  
 Ireland, F. A. W.  
 Irving, L. B.  
 Thompson, T. J.  
 Stewart, W. R.  
 Black, J. A.  
 Baker, H. W.  
 Rollins, J.  
 Boyle, J.  
 Kirkpatrick, F. G.  
 Purdy, V. M.  
 Lockhart, T. J.  
 Arthur, C. C.  
 Kellock, J. McC.

Brokenshire, W. H.  
 Brokenshire, J.  
 Robertson, S. G.  
 Etherington, E. J.  
 Beattie, J. A.  
 McIntyre, A. B.  
 Webster, C. R.  
 Redard, J. O.  
 McCammon, F. J.  
 Shurie, J. S.  
 Walkem, W. C. A.  
 McLennan, D. L.  
 Young, O.  
 Porteous, D. C.  
 Copeland, G. T.  
 Hodges, J.

*Senior English.*

Shibley, L.  
 Sullivan, V.

Hay, A.  
 Heap, F.

Millar, J. M.  
 Graham, A.  
 Hunter, R. J.  
 Hutcheon, R. J.  
 Smellie, J.  
 Horne, J.  
 Macpherson, N.  
 Cattanach, J.  
 Morden, G. W.  
 Fowler, J.  
 Pope, F. J.  
 Falconer, J. P.  
 Daly, C. H.  
 McPhail, D. G.  
 Taylor, J. A.

Bristol, E.  
 Macpherson, N. A.  
 Haig, A.  
 Pergau, P.  
 Stuart, W. A.  
 Scott, T. F.  
 Young, R.  
 Walkinshaw, W.  
 Boyle, T.  
 Young, W. R.  
 Carmichael, N. A.  
 Bethune, A.  
 McNaughton, A. R.  
 Bell, J.  
 White, J. W.

*Junior French.*

Campbell, A. G.  
 Stewart, W. R.  
 Chambers, M. M.  
 McDonald, H. S.  
 Lavell, A. E.  
 Gillies, W. F.  
 Etherington, E. J.  
 Baker, H. M.  
 Cunningham, A. B.

Nickle, W. F.  
 Downing, J. J.  
 Yourex, E. L.  
 O'Shea, J.  
 Walker, T. L.  
 Porteous, D. C.  
 Bedard, J. O.  
 Twitchell, M. C. }  
 Henderson, N. R. }

*Senior French.*

Bethune, A.  
 Bristol, E. F.  
 Irving, L. B.  
 Shibley, L. }  
 Malcolm, G. }

Fowler, J. }  
 Wilson, C. L. M. }  
 Daly, C. H.  
 Walkem, W. C. A.  
 Asselstine, D. P.

*Junior German.*

Campbell, A. G.  
 McDonald, H. S.  
 Chambers, M. M.  
 Downing, J. J.  
 Lavell, A. E.  
 Baker, H. M.  
 O'Shea, J.  
 Cunningham, A. B.

Nickle, W.  
 Yourex, E. L.  
 Twitchell, M. C.  
 Gillies, W. F.  
 Telgmann, H. B.  
 Henderson, N.  
 Edwards, J. W.  
 Walker, T. L.



*Senior German.*

Bethune, A.	Shibley, L.
Wilson, C.	Fowler, J.
Malcolm, G.	Irving, L. B.
Bristol, E. F.	Daly, C. H.
Mahood, P. S.	

*Junior Mathematics.*

Gandier, D. McG.	Yourex, E. L.
Campbell, A. G.	Twitchell, M. C.
Arthur, C. C.	McNaughton, A. K.
Baker, H. W.	McIntyre, A. B.
Chambers, M. M.	Lockhart, T. J.
Black, J. A.	Stewart, W. R.
Boyle, T.	Graham, A.
Shurie, J. S.	McKelvey, R. J.
O'Shea, J.	McDonald, H. S.
Ireland, F. A. W.	Beattie, J. A.
Baker, H. M.	O'Connor, C.
McIntosh, W. D.	Hamilton, C. F.
Hamilton, D. A.	Stuart, W. A.
Gillies, W. F.	Kellock, J. McC.
Fitzpatrick, A.	Burns, C. B.
Malcolm, G.	Hayes, W. J.
Cunningham, A. B.	Finlay, W. A.
Lavell, A. E.	McLennan, D. L.
Purdy, V. M.	Downing, J. J.

*Senior Mathematics.*

Carmichael, N. R.	Coleman, W. W.
Nelson, J.	

*Junior Philosophy.*

Millar, J. M.	Phalen, R. M.
Curle, W.	McKay, J.
Minnes, R. S.	Scott, T. B.
Farrell, J.	McClement, W. T.
Farrell, T. H.	Fenwick, A. F.
King, F.	Finlay, W. A.
Chown, S. S.	Pergau, P.
Dyde, G. E.	Kilborn, O. L.
Farrell, J. M.	Russell, E. H.
Thompson, W. McC.	Wilson, C. L. M.
McPherson, N.	Bell, J.
Pirie, E.	McPherson, N. A.

Mahood, P.  
 Ross, A. H. D.  
 Sullivan, V.  
 Leask, H.  
 Shurie, J. S.  
 Cattanach, J.  
 Boyd, J. D.  
 Smellie, J. F.

Bradley, G. F.  
 Muirhead, J. W.  
 Echlin, E. B.  
 Macfarland, J. F.  
 Stuart, W. A.  
 Griffin, E. S.  
 Cowley, R. H.

*Senior Philosophy.*

Hay, A. G.  
 Binnie, J.  
 Sinclair, J. A.  
 Morden, W. S.  
 Findlay, J.

Scott, T. R.  
 Sharp, J.  
 Copeland, G. T.  
 Mackenzie, A.

*Junior Physics.*

Horne, J. }  
 Carmichael, N. R. }  
 Kirk, F. J. }  
 Pope, F. J. }  
 McKay, J. }  
 Sinclair, R. C. H. }  
 Farrell, J. M.  
 Mackenzie, A.  
 Nelson, J.  
 Cameron, J. C.  
 Chambers, A. }  
 Boyle, T. }  
 Malcolm, G.  
 Falconer, J. P.  
 Thompson, W. McC.  
 McCammon, J. F.  
 Madden, J. H.  
 Hunter, R. J.

Leask, H.  
 Orr, A.  
 Kelly, J. J.  
 Cowley, R. H.  
 Phalen, R. M.  
 Walker, T. L.  
 McKelvey, R. J.  
 McPhail, D. G.  
 Strachan, D.  
 Lavell, H. A.  
 Mahood, P.  
 Echlin, E. B.  
 Brough, T. A.  
 Burns, S. S.  
 Cattanach, J.  
 Coleman, W. W.  
 White, J. W.

*Senior Physics.*

Minnes, R. J.  
 King, F.

Farrell, T. H.  
 Curle, W.

*Astronomy.*

King, F.  
 Minnes, R. S.

Farrell, T. H.  
 Curle, W.

*Hebrew.*

Thompson, W. McC.  
 Bryan, G. J.  
 Scott, T. R.  
 McPhail, D. G.  
 Reddon, J. A.  
 McKay, J.

Campbell, C. A.  
 Macfarland, J. F.  
 McDonald, J. A.  
 Walker, E. G.  
 Cattanach, J.  
 Rattray, J.

*History.*

Hamilton, C. F.  
 Cameron, C. A.  
 Chambers, A.  
 Thompson, T. J.  
 Bain, A. U.  
 Smellie, J. F.  
 Strachan, D.  
 Lavell, H. A.

Brough, T. A.  
 Copeland, G. T.  
 McCammon, F. J.  
 O'Connor, C.  
 Minnes, J. A.  
 Reddon, J. A.  
 Shurie, J. S.  
 Macfarlane, A. K. H.

*Chemistry.*

Walker, T. L.  
 Holdcroft, W. T.  
 Summerby, W. J.  
 Pope, F. J.  
 Scott, T. B.  
 Sinclair, R. C. H.  
 McPherson, N.  
 Kelly, J. J.  
 Purdy, V. M.  
 Etherington, E. J.

Bedard, J. O.  
 Leask, H.  
 Orr, A.  
 Echlin, E. B.  
 Fenwick, A. M.  
 Bradley, J. F.  
 Cowley, R. H.  
 Cochrane, J. B.  
 Burns, S. S.  
 McPhail, D. G.

*Practical Chemistry.*

(Summer Session, 1887.)

Campbell, J. W.  
 Chown, A. P.  
 Horsey, E. H.  
 Morgan, E.  
 Funnell, R. V.  
 Buchanan, J. H.

Mavety, A. C.  
 O'Gorman, D. D.  
 Ogilvie, J.  
 McGrath, M.  
 Creighton, R. R.

*Natural Science.*

Cameron, C. A.  
 Etherington, E. J.  
 Stuart, W. A.  
 Bain, A. U.  
 Bedard, J. O.

Corkill, E. J.  
 Minnes, J. A.  
 Fitzpatrick, A.  
 Fenwick, A. M.  
 Pirie, E.

Cochrane, J. B. }  
 Brokenshire, J. }  
 Burns, S. S.  
 Dyde, G. E.

McPherson, N. A. }  
 Bradley, G. F. }  
 Madden, J. H.

*Botany.*

(Summer Session, 1887.)

King, A. M.  
 Renton, L. J.  
 Campbell, J. W.  
 Sinclair, J. V.

Bell, J. H.  
 Chown, A. P.  
 Creighton, R. R.  
 Ogilvie, J.

*Analytical Chemistry.*

Chanonhouse, R. C. }  
 Cunningham, D. }  
 Demorest, C. }  
 Fraser, W. G. }  
 Meacham, G. P. }  
 McKillop, J. F. }  
 McPherson, W. A. }  
 Walker, H. A. }  
 Coon, D. A. }  
 Gandier, A. }  
 McKenty, J. }  
 Pirie, H. H. }  
 Scott, W. H.  
 Leavitt, M. G.  
 Smith, J. F.

Watts, E.  
 Belton, W. J. }  
 Brown, M. }  
 Coldwell, R. A. }  
 Gray, W. A. }  
 Cameron, W. A. }  
 Lockhart, G. D. }  
 Earl, W. M.  
 Fowkes, J. T.  
 Freeland, A.  
 Todd, S. G.  
 McKellar, M.  
 Holdcroft, W. T.  
 Herald, W.  
 Reid, J. D.

*Botany.*

Cook, W. A.  
 Scott, L.  
 Belton, W. J.  
 Weir, J. M.  
 McLean, E. H.  
 Lockhart, D. G.  
 Scott, W. S.  
 Skimin, N. St. G.  
 Demorest, C.  
 Empey, W. A.  
 Davis, S. N.  
 Kidd, W. E.  
 Mackey, T. E.  
 McCallum, M.  
 Macnee, J. E.  
 Thompson, W. B.  
 Stitt, F.

Jones, C. P.  
 Maclellan, D. N.  
 O'Hara, M.  
 Greene, S.  
 Johnstone, W. J.  
 Meacham, G. P.  
 Campbell, J. S.  
 Ryan, M. D.  
 Coldwell, R. A.  
 Patterson, J. N.  
 Murray, J.  
 McLaren, A. P.  
 Herald, D.  
 Watts, E.  
 Livingston, J. S.  
 Cloutier, F.

*Medical Chemistry.*

## First Year.

Holdcroft, W. T.	McLean, E. H.
Scott, W. J.	Sinclair, J. V.
Mackey, T. E.	McCallum, M. E.
Gandier, A.	Wilson, A. C.
Demorest, C.	Morgan, E.
Genge, W. W.	Birmingham, M. E.
Belton, W. J.	Ogilvie, J.
Ryan, M. D.	Smith, J. F.
Kidd, W. E.	Johnson, W. J.
Stackhouse, A.	Raymonde, C. N.
Scott, L.	Skimin, N. St. G.
Greene, S.	MacLennan, D. N.
Davis, S. N.	Brady, J.
Carmichael, A.	Gardiner, R. J.
Empey, W. A.	Murray, J.
Fowkes, J. T.	Thompson, W. B.
Melville, E. J.	Coon, D. A.
Harrison, C.	Herald, W.
Campbell, J. S.	Reid, J. D.
O'Hara, M.	Gibson, J. F.
Weir, J. D.	

*Medical Chemistry.*

## Second Year.

Gandier, A.	Funnell, R. V.
Walker, H. A.	McKellar, M.
Brown, M.	Johnson, W. H.
Fowkes, J. T.	Meacham, G. P.
Demorest, C.	Holdcroft, J.
Leggat, M. H.	McPherson, W. A.
Chanonhouse, R. C.	Gray, W. A.
Smith, J. F.	Morgan, E.
Freeland, A.	Mitchell, C. F.
Cameron, W. A.	Earl, W. M.
Fraser, W. G.	Camelon, T. P.
Lockhart, G. D.	Coon, D. A.
Cunningham, D.	Watts, E.
McKenty, J.	Herald, W.
Pirie, H. H.	Taplin, A. E.
Todd, S. G.	Fleming, W. A.

**Theology.**

## I. SUPPLEMENTARY EXAMINATIONS, NOV. 1887.

*B. D. Examination (in part.)*

Fowler, W. J.

*Apologetics.*

Hyland, D. J.

*N. T. Exegesis.*

Potter, J. G.

## II. SESSIONAL EXAMINATIONS—APRIL, 1888.

*B. D. Examination.*

Fowler, W. J.

*Apologetics for B.D.*

McKinnon, J.

Wright, J. J.

*Church History for B.D.*

Wright, J. J.

*First Year Divinity.*

McLeod, P. A.

Sturgeon, R. J.

Ratray, J.

McKay, N. T. C.

Bryan, G. J.

Walker, E. G.

*Second Year Divinity.*

McKinnon, J.

Potter, G. J.

Wright, J. J.

Whiteman, R.

Fleming, D.

*Third Year Divinity.*

Drummond, W. J.

Munro, D.

Fowler, W. J.

McKinnon, M.

Milne, J. W. H.

McNeil, J.

Lang, G. R.

Hyland, D. J.

*Second Year Hebrew.*

Cosgrove, T. A.

Whiteman, R.

Cornett, W. H.

*Third Year Hebrew.*

Fowler, W. J.  
 Drummond, W. J.  
 Lang, G. R.  
 Potter, J. G.

McKinnon, J.  
 Munro, D. G.  
 McKinnon, M.  
 Milne, J. W. H.

*Chaldee.*

Fowler, W. J.  
 Lang, G. R.  
 Drummond, W. J.

McKinnon, M.  
 Potter, J. G.  
 McKinnon, J.

*O. T. Criticism and Exegesis.*

Rattray, J.  
 Bryan, G. J.  
 Cosgrove, T. A.  
 Fowler, W. J.  
 Bennet, O.  
 Whiteman, R.  
 McLeod, P. A.

Drummond, W. J.  
 Lang, G. R.  
 Cornett, W. H.  
 Potter, J. G.  
 Wright, J. J.  
 Sturgeon, R. J.  
 Walker, E. G.

*N. T. Criticism and Exegesis.*

McKinnon, J. }  
 McLeod, P. A. }  
 Bryan, G. J.  
 Rattray, J. }  
 Milne, J. W. H. }  
 Lang, G. R.  
 Fowler, W. J.  
 Drummond, W. J.  
 Flemming, D.

Bennet, O.  
 McKinnon, M.  
 Wright, J. J.  
 Campbell, C. A.  
 Sturgeon, R. J.  
 Whiteman, R.  
 Potter, J. G.  
 Walker, E. G.  
 Hyland, D. J.

*Junior Apologetics.*

Rattray, J.  
 Bryan, G. J.  
 Cosgrove, T. A.  
 Cornett, W. H.

Sturgeon, R. J.  
 McKay, N. T. C.  
 Walker, E. G.

*Senior Apologetics.*

McKinnon, J.  
 Wright, J. J.  
 Drummond, W. J.  
 Flemming, D.

Munro, D.  
 Potter, J. G.  
 Whiteman, R.  
 McNeil, J.

*Church History.*

McLeod, P. A.	Sturgeon, R. J.
Gosgrove, T. A.	Drummond, W. J.
Fowler, W. J. }	Milne, J. W. H.
Wright, J. J. }	Cornett, W. H.
Bennet, O.	Hyland, D. J.
McKinnon, J.	McKay, N. T. C.
McLean, J. M. }	Potter, J. G.
Rattray, J. }	Munro, D.
Whiteman, R. }	Walker, E. G.
McKinnon, M.	Lang, G. R.
Flemming, D.	McNeil, J.
Campbell, C. A.	

---

**Medicine.**

## SUPPLEMENTARY EXAMINATIONS—NOV., 1887

*Chemistry, 1st year.*

Harvie, W. D.	Wright, T. A.
Campbell, A. L.	

*2nd year.*

Wright, T. A.

*Physiology.*

Belch, J. A.	McAmmond, J. F.
--------------	-----------------

*Anatomy.*

Baker, T. C.	Marshall, A. A.
Campbell, A. L.	McCammon, H.
Duff, J.	Pratt, W. F.
Emery, G. F.	Pratt, Wilton.
Graham, H. C. W.	Smith, J. F.
Livingston, J. S.	Tillman, H. G.
Lawyer, A.	Wright, T. A.
Mabee, C. O.	

*Materia Medica.*

Baker, T. C.	McGillivray, T. S.
McAmmond, J. F.	Wright, T. A.

*Surgery.*

Fralick, W. G.	Smith, J. F.
Hay, W., B.A.	

*Practice of Medicine.*

Fralick, W. G.	Smith, J. F.
Hay, W., B.A.	



## SESSIONAL EXAMINATIONS—1888.

*Physiology.*

McPherson, W. A.	Camelton, T. P.
Cameron, W. A.	Stitt, F.
Brown, M.	Holdcroft, J.
Cunningham, D. }	Ryan, E.
Gandier, A. }	Lockhart, G. D. }
McKenty, J.	Fraser, W. G. }
Miller, J. C. S. }	Demorest, C.
Walker, H. }	Funnell, R. V.
Freeland, A.	Morgan, E. M.
Gardiner, S. H.	Mitchell, C. F.
Chanonhouse, R. C.	McKellar, M.
Todd, S. G.	Grant, N. M.
Shannon, J. R.	Herald, W.
Phelan, L.	Fowkes, J. T.
Gray, W. A.	

*Anatomy.*

Gandier, A.	Clerihew, E. M. }
Cram, G. D.	Mitchell, H. F. }
McGrath, M. E. }	Stewart, A. }
McKillop, J. T. }	Walker, S. R. }
Chanonhouse, R. C.	Cloutier, F.
Patterson, J. A. }	Coon, D. A. }
Phelan, L. }	Johnson, W. H. }
McConville, I. }	Gray, W. A.
Northmore, H. S. }	Buchanan, H. M. }
Drummond, P.	Lanfear, H. O. }
McKenty, J.	Grant, N. M. }
Freeland, A.	Snider, E. T.
Kilborn, O. L.	Adams, J. }
McPherson, W. A. }	Harvie, W. D. }
Ryan, E. }	Holdcroft, J.
Shannon, J. R.	Robinson, A.
Gardiner, S. H. }	Belch, J. A.
Hilker, A. E. }	Dupuis, E. L. }
Little, W. C. }	Sands, E. }

*Histology.*

Gandier, A. }	McKillop, J. F.
Kilborn, O. L. }	Freeland, A. }
McPherson, W. A.	Lockhart, G. D. }
McConville, I.	Shannon, J. R. }

Patterson, J. A.	Hilker, A. E. }
Cram, G. D.	Lanfear, H. O. }
McGrath, M. E.	Clerihew, E. M. }
Morgan, E. M. }	Gray, W. A. }
McKenty, J. }	Drummond, P. }
Buchanan, H. M. }	Leavitt, M. G. }
Chanonhouse, R. C. }	Mitchell, H. F. }
Sands, E. }	Northmore, H. S. }
	Walker, S. R. }

*Jurisprudence and Sanitary Science.*

Cooke, W. H. }	Gardiner, S. H.
Harkness, F. B. }	Pratt, W. F. }
Jamieson, T. J. }	Stewart, A. }
Walker, A. D. }	Freeland, A.
Rankin, W. H. }	Wright, T. A.
Smellie, D. McK. }	Campbell, A. L.
Pratt, Wilton. }	Cram, G. D. }
Mabee, C. O.	Snider, E. T. }
Buchanan, H. M. }	Clerihew, E. M.
McConville, I. }	Chamberlain, W. P. }
O'Neil, T. }	Chanonhouse, R. C. }
Livingston, J. S. }	Walker, S. R.
Jamieson, D. }	Leavitt, M. G.
David, W. C. }	

*Materia Medica.*

Harkness, F. B.	Freeland, A. }
Cram, G. D.	Grant, N. M. }
Hilker, A. E.	Northmore, H. S.
Kilborn, O. L. }	Lockhart, G. D.
Stewart, A. }	Belch, J. A. }
David, W. C.	Holdcroft, J. }
Walker, S. R.	Gardiner, S. H. }
Little, W. C. }	Gray, W. A. }
McPherson, W. A. }	Lanfear, H. O. }
Robinson, A.	Miller, J. C. S. }
McKillop, J.	Clerihew, E. M.
Gandier, A.	Snider, E. }
Chanonhouse, R. C.	Todd, S. G. }
McKenty, J.	Scott, W. H. S. }
Dupuis, E. L. }	Harvie, W. D.
Shannon, J. R. }	Adams, J.
Cloutier, F. }	Fraser, W. G.
Patterson, J. A.	McGrath, M. E.
Buchanan, H. M. }	
Mitchell, H. F. }	

*Surgery.*

Mitchell, E. S. }	O'Neil, T. }
Connell, J. C. }	Horsey, E. H. }
Gillis, A. B. }	Pratt, Wilton.
Robertson, J. W. }	Lawyer, A.
Koyle, F. H.	Chamberlain, W. P.
Baker, T. C.	Wright, T. A.
Craine, A. D. }	Robinson, R. P.
Maxwell, W. S. }	Pratt, W. F.
Livingston, J. S. }	Jamieson, D.
McGrath, E. }	Mabee, C. O.
Fraser, J. B.	Cooke, W. H.
Walker, A. D.	McCammon, H.
Ogilvie, N.	Jamieson, T. J.
Whitney, A. W. }	McGillivray, T. S.
Smellie, D. M. }	
Embury, E. }	
Mallory, C. N. }	
Downing, W. H. }	

*Obstetrics.*

Connell, J. C. }	Downing, W. H. }
Mitchell, E. S. }	Embury, E. }
Gillis, A. B. }	Mallory, C. N. }
Robertson, J. W. }	Horsey, E. H. }
Koyle, F.	O'Neil, T. }
Baker, T. C.	Pratt, Wilton.
Craine, A. D. }	Lawyer, A.
Livingston, J. S. }	Chamberlain, W. P.
Maxwell, W. S. }	Wright, T. A.
McGrath, E. }	Robinson, R. P.
Fraser, J. B. }	Jamieson, D.
Walker, A. D. }	Pratt, W. F.
Ogilvie, N.	Mabee, C. O.
Smellie, D. McK. }	Cooke, W. H.
Whitney, A. W. }	McCammon, H.
	Jamieson, T. J.
	McGillivray, T. S.

*Practice of Medicine.*

Craine, A. D. }	Ogilvie, N.
Whitney, A. W. }	Fraser, J. B.
Mitchell, E. S.	Koyle, F. H.
Connell, J. C. }	Walker, A. D.
Downing, W. H. }	Lawyer, A. }
McGrath, E.	Robertson, J. W. }

Maxwell, W. J.	Jamieson, D.
Embury, E.	Campbell, A. L. }
McCammon, H. }	Pratt, Wilton. }
Jamieson, T. J. }	Pratt, W. F.
O'Neil, T. }	Gillis, A. B.
Smellie, D. McK. }	McGillivray, T. S.
Baker, T. C.	Mabee, C. O.
Horsey, E. H.	Wright, T. A.
Chamberlain, W. P.	Graham, H. C. W.
Cooke, W. H. }	Scott, P. J.
Mallory, C. N. }	

---

### HONOURS, &c., IN MEDICINE.

---

#### ROYAL COLLEGE OF PHYSICIANS AND SURGEONS.

Gold Medal, W. H. Downing.

Silver Medal, E. M. McGrath.

Certificates of Honour, with appointments as House Surgeons at the General Hospital, John Duff, M. E. McGrath.

Certificates of Honour, with appointments as Demonstrators of Anatomy, O. L. Kilborn, A. Gandier.

#### WOMEN'S MEDICAL COLLEGE.

Primary Examination. "Macnee" Scholarship, \$45, Miss Minnie Brown.

Intermediate Examination. "Trout" Scholarship, \$50, Miss I. McConville.

Final Examination. "Ladies of Kingston" Scholarship, \$60, Miss E. S. Mitchell and Miss A. D. Craine.

---

**ADDITIONAL STUDENTS.**

The following are Students additional to the list given in pages 80-90 :—

**ARTS.**

Name.	Year.	Residence.	Where Educated.
Curtis, Henry H....	3	...Montreal .....	McGill Normal School.
Hayes, William J...	2	...Glen Buell....	Farmersville H. S.
McLean, Godwin V.	3	...Trenton.....	St. Catharines C. I.

**MEDICINE.**

McLean, Ernest H..	1	...Kingston.....	Kingston C. I.
--------------------	---	------------------	----------------

## LIST OF GRADUATES.

(Graduates are requested to intimate to the Registrar change of residence or any omission in the list.)

Names marked with an asterisk are names of clergymen.

Name.	Date of Graduation.	Address.
Abbott, Rodney H., M.D. ....	1879 .....	Comber.
Abbott, Samuel A., M.D. ....	1868 .....	(Deceased.)
*Acheson, Stuart, B.A. ....	1887 .....	Clover Hill.
Agnew, Andrew, B.A. ....	1864 .....	Chicago.
Agnew, John, B.A. ....	1859 .....	
M.A., 1872 ; M.D. ....	1865 .....	(Deceased.)
Alexander, Francis R., M.D. ....	1881 .....	(Deceased.)
Alexander, James A., M.D. ....	1869 .....	(Deceased.)
Allen, Thomas G., B.A. ....	1888 .....	Brockville.
Allen, Alfred G., M.D. ....	1887 .....	Kingston.
Alway, Enoch, M.D. ....	1869 .....	Binbrook.
Anderson, James J., M.D. ....	1887 .....	Winchester Springs.
Anderson, W. J., M.D. ....	1861 .....	Winchester Springs.
Anglin, James V., B.A., 1883 ; M.D. ....	1887 .....	Coaticook.
Anglin, Robert S., M.D. ....	1882 .....	Springfield, Neb.
Anglin, William G., M.D. ....	1883 .....	Kingston.
(Professor Women's Medical College.)		
Armour, James, B.A. ....	1886 .....	Perth.
Armstrong, Albert, M.D. ....	1867 .....	Arnprior.
Armstrong, Alfred, M.D. ....	1866 .....	(Deceased.)
Ashton, John J., B.A. ....	1886 .....	Darlington.
Asselstine, Henry A., B.A. ....	1876 .....	
Aylesworth, Archibald R., M.D. ....	1863 .....	(Deceased.)
*Awde, James, B.A. ....	1879 .....	Kemptville.
Bain, Angus U., B.A. ....	1888 .....	Kingston.
Bain, Hugh U., B.A. ....	1871 .....	Prince Albert, NWT
Bain, John F., B.A. ....	1867 .....	Winnipeg.
*Bain, William, B.A., 1845 ; M.A., 1847 ; D.D. ....	1872 .....	Kingston.
Bain, William G., B.A. ....	1886 .....	Kingston.

Name.	Date of Graduation.	Address.
Bain, William R., B.A. ....	1863. ....	
Baker, Thomas C., M.D. ....	1888. ....	
Ballagh, James H., B.A. ....	1878. ....	Rockwell City.
Barclay, William B. C., B.A. ....	1888. ....	Arnprior.
Bateman, Francis J., B.A. ....	1888. ....	Christina
*Baxter, John C., D.D. ....	1872. ....	Scotland.
*Bayne, James, D.D. ....	1865. ....	(Deceased.)
Beall, Arthur W., B.A. ....	1888. ....	Whitby.
Beattie, William, M.D. ....	1866. ....	Wayram.
Beatty, Elizabeth R., M.D. ....	1884. ....	Indore, India.
Beeman, William C., M.D. ....	1886. ....	Cataraqui.
Beeman, Thomas W., M.D. ....	1878. ....	Smith's Falls.
Beeman, Truman A., M.D. ....	1887. ....	Bancroft.
Beckett, James, M.D. ....	1863. ....	(Deceased.)
Begg, John W., M.D. ....	1887. ....	Kingston.
Bell, Alexander, M.D. ....	1865. ....	Lakefield.
Bell, Andrew, B.A. ....	1853. ....	Almonte.
Bell, George, B.A., 1845; LL.D. ....	1872. ....	Kingston.
<i>(Registrar, Queen's University.)</i>		
Bell, George, B.A. ....	1878. ....	Toronto.
Bell, James M., M.D. ....	1857. ....	(Deceased.)
Bell, John, B.A., 1862; M.A., 1865; M.D. ....	1866. ....	(Deceased.)
Bell, Josiah J., B.A., 1864; M.A. ....	1877. ....	Brockville.
Bell, Robert, LL.D. ....	1883. ....	Ottawa.
<i>(Assistant Director, Geol. Survey of Canada.)</i>		
*Bell, William, B.A. ....	1855. ....	(Deceased.)
*Bellis, George, D.D. ....	1880. ....	(Deceased.)
Bennett, Orr, B.A. ....	1886. ....	Peterboro.
Bennett, Henry, M.D. ....	1878. ....	Sullivan.
Benson, John R., B.A., 1853; M.D. ....	1858. ....	(Deceased.)
*Bergne, Samuel B., D.D. ....	1865. ....	London, Eng.
Bernard, Gerald, M.D. ....	1871. ....	Newcastle-on-Tyne.
Bertram, Thomas A., M.D. ....	1885. ....	Dundas.
Bethune, Alexander, M.D. ....	1858. ....	Toronto.
Bethune, Henry T., M.D. ....	1869. ....	Clanbrassie.
Bethune, William, B.A. ....	1864. ....	Geneseo, Ill.
Betts, Alfred H., M.D. ....	1875. ....	(Deceased.)
Betts, John H., M.D. ....	1881. ....	Kingston.
Bice, Mark, M.D. ....	1869. ....	Arva.
Bigham, Hugh, M.D. ....	1864. ....	(Deceased.)
Bigham, James, M.D. ....	1868. ....	Warsaw.
Bigham, John, M.D. ....	1865. ....	(Deceased.)
Bird, Francis W., M.D. ....	1859. ....	(Deceased.)

Name.	Date of Graduation.	Address.
Bird, Nelson J., M.D. ....	1860.....	San Francisco, Cal.
Bissonette, Julien D., B.A. ....	1880.....	Dundas.
*Black, John, D.D. ....	1876.....	(Deceased.)
Black, William A., M.D. ....	1862.....	(Deceased.)
Blakely, Robert, M.D. ....	1861.....	(Deceased.)
Blaylock, Ella, M.D. ....	1887.....	New Carlisle.
Bleasdell, Charles E., M.D. ....	1861 .. .	(Deceased.)
Bonner, John, B.A., 1845 ; M.A. ....	1847 .. .	(Deceased.)
Booth, Donald B., M.D. ....	1868.....	Odessa.
Bourchier, H. P., B.A. ....	1853.....	(Deceased.)
Bourinot, John G., LL.D. ....	1887.....	Ottawa.
Bowen, George, M.D. ....	1877.....	Seeley's Bay.
Bowen, Robert, M.D. ....	1865.....	H. M. Service.
Bowers, Samuel S., M.D. ....	1877.....	Fond du Lac, Wis.
Boyd, Edward, LL.B. ....	1863.....	Cincinnati, U. S.
Boyle, Arthur A., M.D. ....	1859.....	Toronto.
*Boyle, W. H. W., B.A. ....	1884.....	Paris.
Branigan, P. K., M.D. ....	1872.....	(Deceased.)
Bray, John L., M.D. ....	1853.....	Chatham, O.
Briden, William, B.A. ....	1880.....	Ingersoll.
Bridgland Samuel, M.D. ....	1860.....	Bracebridge.
Brien, James, M.D. ....	1862.....	Essex Centre.
Britton, Edward H., B.A. .. .	1884.....	Toronto.
*Brown, James A., B.A. ....	1883.....	Belmont.
Brown, Marshall J., M.D. ....	1856.....	Kingston.
Brown, William G., B.A. ....	1881.....	Toronto.
Bruce, Frederick, M.D. ....	1886.....	Mount Morris, Mich.
Bryan, George J., B.A. ....	1888.....	Kingston.
Buchanan, John H., B.A. ....	1885.....	
Buckley, Phillip J., LL.D. ....	1863.....	(Deceased.)
Bullis, William H., M.D. ....	1884.....	Chatham, O.
Burdett, Harry E., M.D. ....	1886.....	Minneapolis, Minn.
Burgess, James E., B.A., 1868 ; M.A. ....	1876.....	Sydenham.
*Burns, James C., D.D. ....	1884.....	Kirkliston, Scotland.
Burns, William, B.A. ....	1886.....	St. Catharines.
*Caie, George J., B.A. ....	1861.....	Forfar, Scotland.
Caldwell, William, B.A. ....	1866.....	Lanark.
Cameron, Alexander D., M.D. ....	1885.....	Lancaster.
*Cameron, Charles I., B.A., 1861 ; M.A. ....	1868.....	(Deceased.)
Cameron, Chas. J., B.A., 1886 ; M.A. ....	1887.....	Kingston.
Cameron, C. Alice, B.A. ....	1888.....	Kingston.
Cameron, Dan, M.D. ....	1887.....	Lanark.
*Cameron, Hugh, B.A. ....	1870.....	Watford.
Cameron, James C., B.A. ....	1888.....	Camerontown.



Name.	Date of Graduation	Address.
Cameron, John, B.A. ....	1864. ....	Toronto.
*Cameron, James Y., M.A. ....	1867. ....	(Deceased.)
*Campbell, Alexander, B.A. ....	1862. ....	Prince Albert, NWT
*Campbell, Alexander J., D.D. ....	1887. ....	Geelong, Aus.
Campbell, Donald, B.A. ....	1850. ....	(Deceased.)
Campbell, George, M.D. ....	1859. ....	H. M. Navy.
*Campbell, John, B.A., 1874; M.A. ....	1850. ....	(Deceased.)
Campbell, John H., M.D. ....	1856. ....	(Deceased.)
Campbell, Joseph, M.D. ....	1867. ....	Paisley.
*Campbell, Neil, B.A. ....	1883. ....	Port Elmsley.
*Campbell, Robert, B.A., 1856; M.A., 1858; D.D. ....	1887. ....	Montreal.
*Campbell, Robert, B.A., 1867; M.A., 1870; D.Sc. ....	1884. ....	Renfrew.
Carmichael, James F., B.A. ....	1887. ....	Bryson.
Cartwright, Alexander D., B.A. ....	1885. ....	Toronto.
Cartwright, Richard C., M.D. ....	1884. ....	Rochester, N.Y.
Carscallen, Allen B., M.D. ....	1875. ....	Enterprise.
Case, George H., M.D. ....	1876. ....	(Deceased.)
Casselman, Joseph, M.D. ....	1886. ....	N. Williamsburg.
*Cattanach, John C., B.A., 1868; M.A. ....	1881. ....	
*Caven, Willam, D.D. ....	1875. ....	Toronto.
<i>(Principal, Knox College.)</i>		
Chaffey, Ellsworth, M.D. ....	1871. ....	Ontario, Cal.
Chamberlain, T. F., M.D. ....	1862. ....	Morrisburg.
Chamberlain, Watson P., M.D. ....	1838. ....	Morrisburg.
Chambers, Alice, B.A. ....	1888. ....	Wolfe Island.
Chambers, Daniel, M.D. ....	1855. ....	(Deceased.)
*Chambers, Robert, B.A. ....	1866. ....	Erzeroum, Turkey.
Chambers, William, B.A. ....	1883. ....	Los Angeles, Cal.
Channonhouse, John, M.D. ....	1863. ....	Eganville.
Channonhouse, Thomas, M.D. ....	1860. ....	(Deceased.)
Chapman, Edward J., LL.D. ....	1867. ....	Toronto.
<i>(Professor, University College.)</i>		
*Childerhose, Stephen, B.A. ....	1884. ....	Madoc.
*Chisholm, John, B.A. ....	1878. ....	Nicola Valley, B.C.
Chisholm, Harvey F., M.D. ....	1857. ....	(Deceased.)
Chown, George Y., B.A. ....	1883. ....	Kingston.
Chown, Henry H., M.D. ....	1880. ....	Winnipeg.
Chrysler, Francis H., B.A. ....	1866. ....	Ottawa.
Clancy, Charles C., M.D. ....	1883. ....	Port Huron, Mich.
Clark, W. C. D., M.D. ....	1885. ....	Bristol, England.
Clarke, James, M.D. ....	1868. ....	Bay City, Mich.
Clarke, John, M.D. ....	1872. ....	Peterboro.

Name.	Date of Graduation.	Address
Clarke, Joseph A., M.A.	1882	(Deceased.)
Clarke, J. G., M.D.	1880	Meaford.
Clarke, William, M.D.	1879	Ireland.
*Clarke, William C., B.A.	1855	(Deceased.)
Claxton, George, B.A.	1876	Gladstone, Man.
Claxton, John A., B.A.	1888	Inverary.
Claxton, William, M.D.	1874	Verona.
Cleaver, J. C. C., M.D.	1879	Monsterrat, Trinidad.
Cleaver, William T., M.D.	1879	Wigan, England.
Clinton, George, M.D.	1878	Belleville.
Cluness, William R., B.A., 1855 ; M.A., 1859 ; M.D.	1858	Sacramento, Cal.
Clyde, William, B.A., 1855 ; M.A.	1887	Petrolia.
Cogan, Jeremiah R., M.D.	1861	(Deceased.)
Connell, James C., B.A., 1884 ; M.A. 1885 ; M.D.	1888	Kingston.
Coleman, William F., M.D.	1863	St. John, N.B.
Comer, Alex. T., M.D.	1864	New York.
Collins, Cornelius, M.D.	1886	Peterboro.
Connerty, J. Moore, M.D.	1886	Winchester.
*Cook, John, LL.D.	1880	Quebec.
Cooke, John, B.A.	1884	
Cooke, William H., M.D.	1888	Minneapolis.
Corbett, George H., M.D.	1856	Orillia.
Corbett, Henry T., M.D.	1868	(Deceased.)
Corkill, Edward J., B.A.	1886	Perth Road.
Corlis, Margaret A., M.D.	1885	St. Thomas.
*Cormack, James, B.A.	1872	North Arm, B. C.
Cornell, Albert P., M.D.	1882	Gravenhurst
Cornell, Stanley S., M.D.	1886	Farmersville.
Cornett, William H., B.A.	1887	Gananoque.
Corry, Robert, M.D.	1861	(Deceased.)
Cosgrove, Thomas A., B.A.	1887	Port Hope.
Coughlan, Richard, M.D.	1881	Waterdown.
Coutlee, Helier Noel, M.D.	1882	Hull.
Coy, William F., M.D.	1886	
Craig, James J., B.A.	1874	Mount Forest.
Craig, Hugh A., M.D.	1878	Cobourg.
*Craig, Robert J., B.A., 1871 ; M.A.	1874	Deseronto.
Craig, William, B.A.	1858	Pittsburgh.
Craine, Agnes D., M.D.	1888	Smith's Falls.
Cranston, James G., M.D.	1860	Arnprior.
Crawford, Joseph, M.D.	1857	(Deceased.)
Crawford, Robert, B.A.	1869	Kingston.
Creeggan, John G., B.A., 1878 ; M.D.	1886	Lyndhurst.

Name.	Date of Graduation.	Address.
Cryan, John, M.D. ....	1883 .. .	Demorestville.
*Cumberland, James, B.A., 1877 ; M.A. ....	1880 .. .	Stella
Cumberland, Thomas, M.D. ....	1884. ....	Fort Gratiot, Mich.
Cumberland, Thomas D., B.A. ....	1875. ....	Winnipeg.
Cunningham, David, B.A. ....	1887. ....	Kingston.
Cunningham, Henry C., M.D. ....	1885 .. .	Toronto.
*Curran, William B., B.A., 1859 ; M.A. ....	1870. ....	Hamilton.
*Currie, Archibald, B.A., 1858 ; M.A. ....	1861. ....	Sonya.
*Currie, John, D.D. ....	1885. ....	Halifax.
<i>(Professor, Theological Hall.)</i>		
Curry, James W., B.A. ....	1878. ....	Port Hope.
Daly, Wilberforce, B.A. ....	1880. ....	Peterboro'.
Dame, Alexander A., M.D. ....	1886. ....	Galt.
*D'Argent, William E., B.A. ....	1884 .. .	McIntyre.
Darragh, Robert J., M.D. ....	1866. ....	Sunbury.
David, Alfred, M.D. ....	1873. ....	Atlantic Mines, Mich.
Davies, Ransom A., M.D. ....	1876. ....	Easton's Corners.
Davis, Bidwell N., B.A. ....	1881. ....	Toronto.
Davis, Lewis T., M.D. ....	1883. ....	Nanaimo, B.C.
Davis, Robert H., M.D. ....	1858. ....	York, Grand River.
Davidson, Myers, M.D. ....	1864. ....	Florence.
*Dawson, Æneas McD., LL.D. ....	1886. ....	Ottawa.
*Dawson, Alexander, B.A. ....	1859. ....	Gravenhurst.
Dawson, Henry, M.D. ....	1885. ....	Cape Vincent.
Day, Barnabas W., M.D. ....	1862 .. .	Council Grove, Kansas
Day, H. W., M.D. ....	1859 .. .	Trenton.
Day, Jonathan, M.D. ....	1877. ....	Fullarton.
Day, Lewis E., M.D. ....	1880. ....	(Deceased.)
Day, Walter D. P. W., M.D. ....	1877. ....	Harrowsmith.
Deans, George, M.D. ....	1865. ....	Trenton.
Deans, William C., M.D. ....	1861. ....	(Deceased.)
Denike, George M., M.D. ....	1882. ....	Fulton, N.Y.
Dennistoun, Robert M., M.D. ....	1885. ....	Toronto.
*Dewar, Donald L., B.A. ....	1886. ....	Boulter.
Deynard, Adelbert, M.D. ....	1875. ....	Owen Sound.
Dickson, Annie E., M.D. ....	1886. ....	Kingston.
Dickson, Charles R., M.D. ....	1880 .. .	Kingston.
Dickson, John R., M.D. ....	1863. ....	(Deceased.)
Dickson, John R., M.D. ....	1868. ....	(Deceased.)
Dingman, William E., M.D. ....	1875. ....	Listowel.
Dingwall, James, B.A. ....	1864. ....	Cornwall.
Dixon, Mortimer L., M.D. ....	1886. ....	Frankville.

Name.	Date of Graduation	Address.
*Donald, William, D.D. ....	1861..	(Deceased.)
Donald, William, B.A. ....	1873.....	Pilot Mountain, Man.
Donovan, Edward I., M.D. ....	1886..	Campbellford.
Donovan, Patrick C., M.D. ....	1879.....	Gretna, Man.
Douglas, James, B.A. ....	1858..	Phoenixville, Penn.
Douglas, Robert, B.A., 1851 ; M.D. ....	1855.....	(Deceased.)
Dow, John Ball, B.A. ....	1875 .....	Whitby.
Downing, James J., B.A. ....	1881.....	(Deceased.)
Downing, William H., M.D. ....	1888.....	Kingston.
Dowsley, Iavid H., M.D. ....	1875.....	Clinton.
Dowsley, George C., M.D. ....	1875..	Owen Sound
Drummond, Andrew T., B.A., 1860 ; LL.B. ....	1863..	Montreal.
Drummond, Francis A., B.A. ....	1877.....	Winnipeg.
Drummond, William J., B.A. ....	1885.....	Toledo, O.
*Duclos, John E., B.A. ....	1884.....	Bryson, Que.
Duff, Hew R., M.D. ....	1884.....	Newburgh.
Dugdale, John J., M.D. ....	1867 .....	Montreal.
Dumble, Thomas H., M.D. ....	1870..	Gananoque.
Dumble, William C., M.D. ....	1877..	Tara.
*Dumoulin, John P., M.A. ....	1870.....	Toronto.
Dunbar, Neil, B.A. ....	1854.....	(Deceased.)
Dunbar, Samuel, M.D. ....	1855.....	(Deceased.)
Dunlop, James D., M.D. ....	1887.....	Alpena, Mich.
Dunlop, John G., B.A. ....	1888.....	Japan.
Dunlop, Neil, M.D. ....	1861..	Sydenham.
Dunn, Andrew T., M.D. ....	1864 .....	North Augusta.
Dupuis, Charles B., B.A. ....	1887.....	Kingston.
Dupuis, James M., M.D. ....	1881.....	Clayton, N.Y.
Dupuis, Nathan F., B.A., 1866 ; M.A. ....	1868.....	Kingston.
<i>(Professor, Queen's College.)</i>		
Dupuis, Thomas R., M.D. ....	1860..	Kingston.
<i>(Professor, Royal College.)</i>		
Dwyre, Andrew W., M.D. ....	1885.....	Westport.
*Dyckman, Henry M., B.A. ....	1877 .....	Orange, N.J.
Dyde, Samuel W., B.A., 1883 ; M.A., 1884 ; D.Sc. ....	1887.....	Fredericton, N.B.
<i>(Professor, University of New Brunswick.)</i>		
*Eakin, Joseph F., B.A. ....	1866.....	Dundalk.
*Edmison, Henry, B.A., 1863 ; M.A. ....	1866..	Rothsay, O.
Elliot, Edwin, B.A. ....	1886.....	Kingston.
Elliot, Thomas A., B.A. ....	1879.....	Brockville.
Elmer, William W., M.D. ....	1858.....	Bay City, Mich.

Name.	Date of Graduation.	Address
Elwell, W. D., M.D. . . . .	1863. . . . .	(Deceased.)
Embury, Elizabeth, M.D. . . . .	1888. . . . .	Selby.
Emery, Horatio J., M.D. . . . .	1884. . . . .	Crosswell, Mich.
Empey, Charles T., M.D. . . . .	1880. . . . .	Cross Hills, Eng.
Erly, Francis W. J., M.D. . . . .	1863. . . . .	(Deceased.)
Errett, Alfred J., M.D. . . . .	1887. . . . .	Merrickville.
Evans, Henry, M.D. . . . .	1858. . . . .	(Deceased.)
Evans, Henry, M.D. . . . .	1878. . . . .	Picton.
*Evans, Joseph, B.A., 1855 ; M.A. . . . .	1857. . . . .	Plainview, N. Car.
Fairbairn, Archibald C., M.D. . . . .	1871. . . . .	Minneapolis.
Fairfield, Charles A. D., B.A. . . . .	1887. . . . .	
Farrell, J. T., M.D. . . . .	1861. . . . .	(Deceased.)
Farrell, Alexander G., B.A. . . . .	1885. . . . .	Kingston.
Fee, Samuel H., M.D. . . . .	1862. . . . .	Kingston.
Fee, Robert G., B.A. . . . .	1882. . . . .	Grenville, Que.
Fenwick, Kenneth N., B.A., 1871 ; M.A., 1874 ; M.D. . . . .	1874. . . . .	Kingston. ( <i>Professor, Royal College.</i> )
Fenwick, Thomas M., M.D. . . . .	1864 . . . . .	Kingston. ( <i>Professor, Women's Medical College.</i> )
Ferguson, Allan G., M.D. . . . .	1887 . . . . .	Bathurst.
Ferguson, Archibald, B.A. . . . .	1883. . . . .	Kingston.
Ferguson, Charles F., M.D. . . . .	1859 . . . . .	Kemptville.
Ferguson, Edward G., M.D. . . . .	1863. . . . .	Brunswick, Georgia.
*Ferguson, George D., B.A. . . . .	1851. . . . .	Kingston. ( <i>Professor, Queen's College.</i> )
Ferguson, James F., B.A. . . . .	1862. . . . .	Napanee.
*Ferguson, John, B.A., 1876 ; M.A., 1878 ; B.D. . . . .	1879. . . . .	Chesley.
Ferguson, Robert, B.A. . . . .	1882. . . . .	London.
Ferguson, Robert B., M.D. . . . .	1863. . . . .	Winnipeg.
Ferguson, Thomas B., B.A. . . . .	1863 . . . . .	Cincinnati, Ill.
Ferguson, William B., B.A. . . . .	1861. . . . .	Napanee.
File, Albert J., M.D. . . . .	1869. . . . .	Ameliaburg.
Findlay, John, B.A., 1887 ; M.A. . . . .	1888. . . . .	Cataraqui.
Finlay, William A., B.A. . . . .	1888. . . . .	Lakefield.
Fisher, Albert J., M.D. . . . .	1887 . . . . .	Warton.
Fitzgerald Eliza S., B.A. . . . .	1884. . . . .	Niagara Falls, South.
Flemming, David, B.A. . . . .	1887. . . . .	Halifax.
Foley, Declan E., M.D. . . . .	1886. . . . .	Wolfe Island.
Folger, Howard S., B.A. . . . .	1887. . . . .	New York.
Folger, Matthew H., B.A. . . . .	1885 . . . . .	New York.
Ford, Henry B., M.D. . . . .	1885. . . . .	Moorwood.
Ford, Herbert D., M.D. . . . .	1874. . . . .	Chicago.

Name.	Date of Graduation.	Address.
Forin, Alexander W., M.D. ....	1884.....	Brighton.
Forrester, Edgar, B.A., 1882; M.D. 1884.....		Brockville,
Foster, Robert J., M.D.....	1859 .....	(Deceased.)
Fowler, Annie L., B.A. ....	1884 .....	Kingston.
Fowler, Fife, M.D. ....	1863.....	Kingston.
<i>(President, Royal College.)</i>		
Fowler, Henry C., B.A. ....	1881.....	Toronto.
Fowler, William J., B.D.....	1888.....	Doaktown, N.B.
Fox, Edward C., M.D. ....	1864. ....	
Foxton, Edward, M.D. ....	1884. ....	Ingersoll.
Foxton, Joseph, B.A. ....	1886.....	Kingston.
Fraleck, Edison B., B.A. ....	1863.....	Belleville.
Franklin, Benjamin W., M.D. ....	1856.. ..	Port Burwell.
Fraser, Anson S., M.D.....	1869.. ..	Sarnia.
Fraser, Alexander G., B.A. ....	1862.....	(Deceased.)
Fraser, Archibald, B.A.....	1848. ....	(Deceased.)
*Fraser, Donald, B.A., 1864; M.A. 1866 .....		Victoria, B.C.
Fraser, George L. B., B.A. ....	1870.....	Ottawa
*Fraser, James, B.A. ....	1864 .....	Cushing, Que.
Fraser, John (M.A.) LL.D. ....	1887.....	Maitland, Aus.
Fraser, John B., M.D. ....	1888 .....	Spencerville.
*Fraser, John F., B.A.....	1869.....	Chrysler.
Fraser, John M., B.A., 1855; M.D. 1861.....		London.
Fraser, Joshua, B.A. ....	1858.....	
Fraser, Robert N., M.D. ....	1884.....	Thamesville.
*Fraser, William, DD. ....	1878.....	Barrie.
Frechette, Louis, LL.D. ....	1881.....	Montreal.
Freeman, Albert E., M.D.....	1887.....	Inverary.
Froiland, Herman M., B.A., 1882; M.D.....	1883.....	Toronto.
Fuller, William H., B.A., 1867; M.A.....	1873.....	(Deceased.)
Funnell, Ada A., M.D. ....	1887.....	Hamilton.
Galbraith, John E., M.D.....	1880.....	(Deceased.)
Gallagher, Morton, M.D.....	1887.....	Campbellford.
*Gallaher, John, B.A. ....	1878.....	Pittsburgh.
Galligan, Thomas D., M.D.....	1886.....	Brudenell.
*Gandier, Alfred, B.A., 1884; M.A. 1887.. ..		Toronto.
Gardiner, Sidney H., B.A.. ....	1887.....	Kingston.
Garrett, Richard W., M.D.....	1882.....	Kingston.
<i>(Professor, Royal College.)</i>		
*Geddie, John, D.D.....	1866 .. ..	(Deceased.)
*Geikie, A. Constable, LL.D.....	1884.....	Bathurst, N.S.Wales.
*Geikie, John C., D.D. ....	1871.....	Barnstaple, England.

Name.	Date of Graduation.	Address.
Gerin, John, M.D. . . . .	1872 . . . . .	Auburn, N.Y.
Gibson, Albert E., M.D. . . . .	1887 . . . . .	Oakland, Iowa.
Gibson, Andrew M., M.D. . . . .	1874 . . . . .	Clinton.
Gibson, William J., B.A., 1884; M.D. 1881; M.A. . . . .	1882 . . . . .	Belleville.
Gildersleeve, James P, LL.B. . . . .	1863 . . . . .	Kingston.
Giles, John G., M.D. . . . .	1860 . . . . .	Brockville.
*Gill, Henry, D.D. . . . .	1865 . . . . .	England.
Gillies, George, B.A. . . . .	1874 . . . . .	Gananoque.
Gillies, Neil, M.D. . . . .	1871 . . . . .	Winnipeg.
Gillis, Angus B., M.D. . . . .	1888 . . . . .	Rowena.
*Givan, Arpad, B.A. . . . .	1883 . . . . .	L'Amable, O.
Givens, David A., B.A. . . . .	1878 . . . . .	Kingston.
Givens, Hannah A., B.A. . . . .	1887 . . . . .	Cornwall.
Givens, William R., B.A. . . . .	1888 . . . . .	Brownville, Maine.
Gleeson, James, M.D. . . . .	1864 . . . . .	(Deceased.)
*Glassford, Thomas S., B.A. . . . .	1875 . . . . .	Richmond, O.
Goold, Arthur J., B.A. . . . .	1883 . . . . .	
*Gordon, James, B.A., 1851; M.A. . . . .	1854 . . . . .	London.
Gordon, John G., B.A. . . . .	1861 . . . . .	
*Gow, Robert, B.A. . . . .	1883 . . . . .	Hartney, Man.
Gowan, James R., LL.D. . . . .	1884 . . . . .	Barrie.
*Grant, Hugh R., B.A. . . . .	1883 . . . . .	Summerstown.
Grant, James A., B.A. . . . .	1878 . . . . .	Ottawa.
Grant, Norman M., B.A. . . . .	1886 . . . . .	Stellarton, N.S.
*Grant, Peter, D.D. . . . .	1868 . . . . .	Dundee, Scotland.
*Grant, William, D.D. . . . .	1883 . . . . .	Shoalhaven, N.S.W.
Grasse, Sidney D., M.D. . . . .	1864 . . . . .	(Deceased.)
*Gray, John, B.A., 1873; M.A. . . . .	1876 . . . . .	Orillia.
Gunsolus, Kenneth, M.D. . . . .	1871 . . . . .	
Hackett, Joseph, M.D. . . . .	1858 . . . . .	(Deceased.)
Haig, Andrew, B.A. . . . .	1888 . . . . .	Menie.
Hales, James, B.A. . . . .	1888 . . . . .	Forfar.
Halliday, Henry, B.A. . . . .	1884 . . . . .	Pembroke.
Hamilton, Andrew, B.A. . . . .	1855 . . . . .	(Deceased.)
Hamilton, David, M.D. . . . .	1862 . . . . .	Batavia, N.Y.
Hamilton, John A., B.A., 1878; M.D. . . . .	1886 . . . . .	Singhampton.
Hanna, James E., M.D. . . . .	1886 . . . . .	North Gower.
Harding, William E., M.D. . . . .	1888 . . . . .	Brockville.
Harkness, Thomas F., B.A. . . . .	1862 . . . . .	(Deceased.)
Harper, John M., B.A. . . . .	1882 . . . . .	
Harrison, T. S., M.D. . . . .	1869 . . . . .	Selkirk.
Hart, John F., M.D. . . . .	1887 . . . . .	Prescott.
Hart, Michael W., M.D. . . . .	1887 . . . . .	Prescott.



Name.	Date of Graduation.	Address
*Hart, Thomas, B.A., 1860 ; M.A., 1868 ; B.D. . . . .	1880 . . . . .	Winnipeg. ( <i>Professor, Manitoba College.</i> )
Hartwell, George E., B.A. . . . .	1888 . . . . .	Westport.
Harvey, Albert E., M.D. . . . .	1865 . . . . .	Wyoming.
*Hay, John, B.A., 1882 ; B.D. . . .	1885 . . . . .	Campbellford.
Hay, William, B.A., 1883 ; M.D. . . .	1887 . . . . .	St. Lawrence, N.Y.
Heath, Frederick C., B.A., 1878 ; M.D. . . . .	1886 . . . . .	Brantford.
Heenan, Daniel, B.A. . . . .	1849 . . . . .	(Deceased.)
Heggie, David, M.D. . . . .	1865 . . . . .	Brampton.
Henderson, Donald, M.D. . . . .	1858 . . . . .	Winnipeg.
Henderson, George F., B.A. . . . .	1884 . . . . .	Ottawa.
Henderson, Johnson, B.A. . . . .	1885 . . . . .	Wallbridge.
Henderson, Kenneth, M.D. . . . .	1888 . . . . .	Clyde River, P.E.I.
Henderson, William, M.D. . . . .	1859 . . . . .	(Deceased.)
*Henderson, William, D.D. . . . .	1862 . . . . .	(Deceased.)
Henderson, William H., M.D. . . . .	1879 . . . . .	Kingston. ( <i>Professor, Royal College.</i> )
Hendry, George, M.D. . . . .	1869 . . . . .	(Deceased.)
Herald, John, B.A., 1876 ; M.A., 1880 ; M.D. . . . .	1884 . . . . .	Kingston.
Herriman, Weston Leroy, M.D. . . .	1855 . . . . .	Lindsay.
Herrington, Anthony W., M.D. . . .	1881 . . . . .	Deceased.)
Heslop, John E., M.D. . . . .	1887 . . . . .	Port Dover.
Hickey, Daniel C., M.D. . . . .	1883 . . . . .	Kingston.
Higgins, Edward M., M.D. . . . .	1877 . . . . .	Hamilton.
Higginbotham, William, M.D. . . . .	1871 . . . . .	Omeme.
Hillier, Solomon C., M.D. . . . .	1869 . . . . .	Bowmanville.
Hillier, William, M.D. . . . .	1855 . . . . .	(Deceased.)
Hoare, Walter W., M.D. . . . .	1864 . . . . .	Strathroy.
Hodge, George M.D. . . . .	1870 . . . . .	Mitchell.
*Hogg, John, D.D. . . . .	1871 . . . . .	(Deceased.)
Holdcroft, William T., B.A. . . . .	1888 . . . . .	Tweed.
Holmes, F. S. Leroy, M.D. . . . .	1877 . . . . .	Merrickville.
Hooper, Ebenezer, M.D. . . . .	1885 . . . . .	Kingston.
Hooper, Edmund J., B.A., 1858 ; M.A. . . . .	1861 . . . . .	Napanee.
Hooper, Josephine A., B.A. . . . .	1885 . . . . .	Kingston.
Hope, James A., B.A., 1862 ; M.A. .	1865 . . . . .	(Deceased.)
Horsey, Alfred, M.D. . . . .	1865 . . . . .	Ottawa.
Horsey, Edward H., M.D. . . . .	1860 . . . . .	Chicago.
Horsey, Edward H., M.D. . . . .	1888 . . . . .	Windsor, N.S.
Horsey, Herbert E., B.A., 1886 ; M.A. . . . .	1887 . . . . .	Ingersoll.



Name.	Date of Graduation.	Address.
Horton, Robert N., M.D.	1879	Brockville.
Hossie, Thomas R., M.D.	1879	Gouverneur, N.Y.
Hourigan, Andrew R., M.D.	1877	Peterboro'.
Houston, William R., M.D.	1871	Chatham, O.
Howell, George W., M.D.	1867	Tweed, O.
Howells, Thomas B., M.D.	1863	(Deceased.)
Hubbs, Henry A. M., M.D.	1877	Bay City, Mich.
Hume, John P., B.A.	1881	Campbellford.
*Hunter, Alexander, B.A.	1861	(Deceased.)
Hunter, James McF., M.A.	1883	Barrie.
Hunter, Robert J., B.A.	1888	Millbrook.
Hutcheson, James, B.A.	1881	Brockville.
Hutchison, John, M.D.	1886	Meaford.
Ingersoll, Isaac F., M.D.	1863	Picton.
Ireland, Charles F., B.A.	1866	Winnipeg.
Irvine, William H., B.A.	1877	Kingston.
Irving, Lennox, B.A.	1886	Pembroke.
Irwin, Chamberlen A., M.D.	1863	Kingston.
<i>(Professor, Royal College.)</i>		
Jack, George G., M.D.	1886	
James, Charles, M.D.	1888	Sylvan.
James, Michael, M.D.	1887	Brudenell
Jamieson, Alexander, B.A.	1863	(Deceased.)
Jamieson, Archibald, M.D.	1886	
Jamieson, David, M.D.	1888	Kars
Jamieson, John, M.D.	1881	Pakenham.
Jamieson, Thomas J., M.D.	1888	Kars.
*Jardine, Robert, B.A., 1863 ; M.A., 1866 ; B.D.	1886	Prince Albert, Sask.
Jarvis, Charles E., M.D.	1882	London.
*Johnson, Frederick W., B.A.	1886	Chaumont, N.Y.
Johnson, William, B.A., 1849 ; M.A.	1852	Regina, Assini.
Johnston, Absalom H. J., M.D.	1862	Brockville.
Johnston, David, A., M.D.	1881	(Deceased.)
Johnston, Joshua R., B.A.	1882	Carleton Place.
Johnstone, David, M.D.	1868	Kincardine.
Jones, Henry M., M.D.	1866	Marmora.
Jones, John, M.D.	1874	Kemptville.
Joy, Sylvanus, M.D.	1857	Tilsonburg.
Judson, George W., M.D.	1879	Lyn.
Kahkewaquonaby, M.D.	1866	Hagersville.
Kalbfeish, Frederick H., M.D.	1888	Neustadt.
Kay, William, M.A.	1855	Goderich.
Kellock, John D., M.D.	1862	Perth

Name.	Date of Graduation.	Address.
Kelly, David, M.D. . . . .	1861 . . . . .	(Deceased.)
Kelly, Edward J., M.D. . . . .	1861 . . . . .	Ottawa.
Kelly, John J., B.A. . . . .	1888 . . . . .	Belleville.
Kelly, T. Webster, B.A. . . . .	1886 . . . . .	
*Kemp, Alexander F., LL.D. . . . .	1871 . . . . .	(Deceased.)
Kemp, James A., M.D. . . . .	1861 . . . . .	(Deceased.)
Kennedy, Alexander, M.D. . . . .	1873 . . . . .	Port Arthur.
Kennedy, Jacob, M.D. . . . .	1876 . . . . .	Sackville, N.B.
Kennedy, John D., B.A. . . . .	1885 . . . . .	Pembroke.
Kennedy, Roderick, M.D. . . . .	1863 . . . . .	Bath.
Kennedy, William B., M.D. . . . .	1878 . . . . .	Chattenham.
Kertland, Edwin H., M.D. . . . .	1865 . . . . .	Toronto.
Kidd, John F., M.D. . . . .	1883 . . . . .	Ottawa.
Kidd, Edward, M.D. . . . .	1871 . . . . .	Picton.
Kidd, Peter E., M.D. . . . .	1878 . . . . .	Midland City.
Kidd, William J., B.A. . . . .	1887 . . . . .	Carp.
Kilborn, Omar L., B.A. . . . .	1888 . . . . .	Toledo.
Kilborn, Roland, M.D. . . . .	1879 . . . . .	Toledo, O.
Kincaid, Robert, M.D. . . . .	1863 . . . . .	Peterboro'.
Kirk, Fred. James, B.A. . . . .	1888 . . . . .	Kingston.
Knight, Archibald P., B.A., 1872 ; M.A. . . . .	1875 . . . . .	Kingston.
Knight, John H., M.D. . . . .	1880 . . . . .	Amherstburg.
Knox, Henry, M.D. . . . .	1882 . . . . .	Shawville, Que.
Koyl, Frederick T., M.D. . . . .	1882 . . . . .	Ada, Minn.
Koyle, Frank H., M.D. . . . .	1888 . . . . .	Brockville.
Kyle, William A., M.D. . . . .	1885 . . . . .	Manotick.
Lafferty, James, M.D. . . . .	1871 . . . . .	Calgary, Alberta.
Lafferty, William A., M.D. . . . .	1879 . . . . .	(Deceased.)
Laidlaw, Alexander R., M.D. . . . .	1857 . . . . .	(Deceased.)
Lake, Charles B., M.D. . . . .	1866 . . . . .	Ridgetown.
Lambert, Robert, M.D. . . . .	1859 . . . . .	Windsor.
Lane, Isaac J., M.D. . . . .	1886 . . . . .	Mallorytown.
Lane, Joseph W., M.D. . . . .	1875 . . . . .	Mallorytown.
*Lang, George R., B.A. . . . .	1885 . . . . .	Almonte.
*Lang, William A., B.A., 1873 ; M.A. . . . .	1876 . . . . .	(Deceased.)
Langill, Paul F., B.A. . . . .	1881 . . . . .	Qu'appelle Station.
Lavell, Charles H., M.D. . . . .	1873 . . . . .	(Deceased.)
Lavell, Harry A., B.A. . . . .	1888 . . . . .	Kingston.
Lavell, John R., B.A. . . . .	1877 . . . . .	Smith's Falls.
Lavell, Michael, M.D. . . . .	1863 . . . . .	Kingston.
<i>(President, Women's Medical College.)</i>		
Lavell, William A., M.D. . . . .	1881 . . . . .	Smith's Falls.
Lawlor, Michael, M.D. . . . .	1857 . . . . .	(Deceased.)

Name.	Date of Graduation	Address.
Lawyer, Annie, M.D.	1888	Morrisburg.
Leask, Harry, B.A.	1888	Orillia.
Leavitt, Arvin S., M.D.	1869	Toronto.
Lennox, David, B.A.	1861	
Leonard, Raymond, M.D.	1879	Napanee.
*Lewis, Lewis, B.A.	1881	Derby, Eng.
Lewis, Frederick, M.D.	1878	Orangeville.
*Lindsay, John, B.A., 1852 ; M.A.	1854	(Deceased.)
*Lindsay, Peter, B.A.	1851	New Richmond, Q.
*Linton, Adam R., B.A., 1881 ; B.D.	1885	Teeswater.
Litchfield, John P., M.D.	1863	(Deceased.)
*Livingston, John, B.A.	1857	(Deceased.)
Livingstone, John S., M.D.	1888	Belleville.
*Livingston, Peter S., B.A.	1870	(Deceased.)
Livingstone, Marion, M.D.	1887	Kingston.
*Lochead, John S., B.A., 1861 ; M.A.	1863	Parkhill.
Lochhead, Lachlin T., B.A.	1888	Cananadaigua, N.Y.
Logie, William A., B.A., 1887 ; M.A.	1888	Hamilton.
Lorne, Most Noble the Marquis of,		
LL.D.	1879	Inverary Castle.
*Love, Andrew T., B.A.	1878	Quebec.
Lunam, Henry, B.A.	1870	Campbellton, N.B.
Lynch, Dennis P., M.D.	1878	Almonte.
Lyon, Horatio V., B.A.	1885	Kingston.
Mabee, Curtis O., M.D.	1888	Odessa.
Mabee, James E., M.D.	1887	Odessa.
Machar, John M., B.A.	1857	Kingston.
Mair, Alexander, B.A.	1851	Markham.
Malloch, Archibald E., B.A., M.D.	1862	Hamilton.
Malloch, Edward G., B.A.	1860	Perth.
Malloch, George, B.A.	1865	Arnprior.
Malloch, George W., B.A.	1850	Paisley, Ont.
Mallory, Charlie N., M.D.	1886	Escott.
*Mann, Alexander, D.D.	1876	(Deceased.)
Mann, James, M.D.	1869	Renfrew.
Mark, Robert, M.D.	1867	Ottawa.
Marshall, John, B.A.	1886	Cornwall.
Mason, James W., B.A.	1878	(Deceased.)
Massie, John, M.D.	1865	Keene.
Masson, Thomas, M.D.	1875	Cape Vincent.
Mather, William M., M.D.	1886	Consecon.
Matheson, Murdoch, M.D.	1870	Waverley, N.S.W.
Mattice, William D., B.A.	1847	(Deceased.)
Maxwell, William J. M.D.	1888	Bishop's Mills.
May, John, B.A., 1857 ; M.A.	1861	Winnipe.

Name.	Date of Graduation.	Address
Maybee, Millard, M.D. ....	1887 .. ..	Milford.
Meadows, R. W., M.D. ....	1862 .....	H. M. Service.
Meagher, Daniel, M.D. ....	1867 .....	Montreal.
*Meikle, William, B.A. ....	1881 .....	
Mellow, Samuel S., M.D. ....	1886 .....	Bath.
Mercer, John F., M.D. ....	1855 .. ..	(Deceased.)
Miller, John, B.A. ....	1886 .....	Peterboro.
Miller, Lindsay F., M.D. ....	1877 .....	Toronto.
Miller, Thomas, B.A. ....	1852 .....	Milton.
Miller, Thomas, B.A., M.D. ....	1854 .. ..	Hamilton.
*Milligan, George, B.A. ....	1862 .....	Toronto.
Milliner, William S., M.D. ....	1864 .....	Oswego, N.Y.
Mills, William G., B.A. ....	1885 .....	Sunderland.
Milne, James W. H., B.A. ....	1887 .....	
Minor, Silas, M.A. ....	1865 .....	(Deceased.)
Mitchell, Elizabeth S., M.D. ....	1888 .....	Montreal.
Mitchell, George W., B.A. ....	1885 .....	Glasgow, Scotland.
Moore, Andrew, M.D. ....	1865 .. ..	(Deceased.)
*Moore, John, B.A. ....	1881 .....	Allenford.
Moore, Thomas A., M.D. ....	1883 .....	Westville, N.S.
Moore, Vincent H., M.D. ....	1870 .....	Brockville.
Morden, Gilbert W., B.A. ....	1888 .. ..	Pictou.
Morden, James B., M.D. ....	1865 .. ..	Pictou.
Morden, John H., M.D. ....	1859 .....	(Deceased.)
Morden, Wilson S., B.A. ....	1888 .. ..	Allisonville
Mordy, Alfred G., M.D. ....	1882 .....	Ashton.
*Mordy, John, B.A., 1875; M.A. ..	1878 .....	Niagara Falls
Morris, Alexander C., B.A. ....	1882 .....	Toronto.
Morris, William, B.A. ....	1882 .....	Toronto.
*Morrison, Duncan, B.A., 1866; M.A.	1868 .....	Owen Sound.
Morrison, Duncan, B.A. ....	1862 .....	Owen Sound.
Mostyn, William, M.D. ....	1858 .....	(Deceased.)
Mowat, Herbert M., B.A., 1881; LL.B. ....	1886 .....	Kingston.
*Mowat, John B., B.A., 1845; M.A.	1847 .....	Kingston.
<i>(Professor, Queen's College.)</i>		
Mowat, Oliver, LL.D. ....	1872 .. ..	Toronto.
Muckleston, John S., B.A. ....	1865 .....	Kingston.
Mudie, John, B.A. ....	1863 .....	Kingston.
Muir, James, B.A. ....	1861 .....	Victoria, B. C.
*Muir, James B., B.A., 1865; M.A.	1869 .....	Huntingdon, Q.
*Muir, James C., D.D. ....	1858 .....	(Deceased.)
*Muir, Peter D., B.A. ....	1856 .....	(Deceased.)
Mullan, Nathaniel S., B.A. ....	1885 .....	New York.
Mundell, David E., B.A., 1883; M.D.	1886 .....	Kingston.

Name.	Date of Graduation.	Address.
Mundell, John, M.D. ....	1886.....	Kingston.
Mundell, William, B.A. ....	1875.....	Kingston.
Munro, David, M.D. ....	1867.....	Perth.
Munro, John C., M.D. ....	1867.....	South Finch.
Murphy, John B., M.D. ....	1876.....	Belleville.
*Murray, Isaac, D.D. ....	1876.....	Vale Colliery, N.S.
*Murray, James, B.A., 1882; B.D. ....	1884.....	Hamilton.
*Murray, Robert C., B.A. ....	1882.....	(Deceased.)
Macadam, Samuel T., M.D. ....	1873.....	Pembroke.
*Macalister, John, B.A. ....	1865.....	Iroquois.
Macarthur, James, B.A., 1875; M.D. ....	1878.....	London.
Macarthur, Duncan, B.A. ....	1878 ..	Ailsa Craig,
*Macaulay, Evan, B.A. ....	1864.....	Grieff.
*Macdonald, Alexander, B.A. ....	1861 ..	Duntroon.
Macdonald, Alex. R., M.D. ....	1858.....	Brighton.
*Macdonald, Clinton D., B.A. ....	1886 ..	Thorold.
Macdonald, Colin, B.A. ....	1855.....	(Deceased.)
*Macdonald, Donald, B.A. ....	1854 ..	(Deceased.)
*Macdonald, Duncan, B.A., 1859; M.A. ....	1863 .....	Carleton Place.
Macdonald, Herbert S., B.A. 1859; M.A. ....	1861.....	Brockville.
Macdonald, George, B.A., 1878; B.Sc. ....	1878.....	Toronto.
Macdonald, Hugh N., M.D. ....	1881.....	Port Hawkesb'y, N.S.
Macdonald, Sir John A., LL.D. ....	1863.....	Ottawa.
Macdonald, John A., M.D. ....	1862.....	Port Arthur.
Macdonald, Patrick A., B.A. ....	1876.....	Winnipeg.
Macdonnell, Æneas J., B.A. ....	1884.....	Morrisburg.
*Macdonnell, Daniel J., B.A., 1858; M.A. ....	1860.....	Toronto.
Macdonnell, George M., B.A. ....	1860.....	Kingston.
Macdonnell, John M., B.A. ....	1868.....	(Deceased.)
Macfarlane, Andrew K. H., B.A. ....	1888 ..	Dundas.
Mackie, Daniel H., M.D. ....	1884.....	Belleville.
*Mackenzie, Archibald A., B.A., 1877; B.Sc., 1877; M.A. ....	1888.....	Brookfield, P.E.I.
*Mackerras, John H., B.A., 1850; M.A. ....	1852.....	(Deceased.)
*Maclean, Matthew W., B.A., 1869; M.A. ....	1872 .....	Belleville.
*MacLennan, Alexander, B.A. ....	1857.....	(Deceased.)
MacLennan, Donald, B.A., 1848; M.A. ....	1862 .....	
MacLennan, Donald B., B.A., 1857; M.A. ....	1861.....	Cornwall.

Name.	Date of Graduation.	Address.
MacIennan, Findlay M., B.A.....	1879 .....	(Deceased.)
MacIennan, James, B.A., 1849 ;		
LL.D.....	1885 .....	Toronto.
MacIennan, James J., B.A.....	1887 .....	Port Hope.
MacIennan, John, B.A. ....	1855.....	Lindsay.
*MacIennan, Kenneth, B.A., 1849 ;		
M.A.....	1868 .....	Whitby.
MacIennan, Roderick J., B.A.....	1884 .....	Toronto.
*MacIennan, William, B.A., 1864 ;		
M.A.....	1866 .....	(Deceased.)
Macmillan, Duncan, B.A.....	1857.....	London.
*Macnab, Finlay F., B.A.....	1859.....	Arnprior.
*Macnaughton, James P., B.A.....	1884 .....	Smyrna, Turkey.
Macnee, James H., B.A.....	1885.....	Toronto.
Macnee, Peter C., B.A.....	1873 .....	Picton.
Macpherson, Alexander, M.D.....	1862 .....	(Deceased.)
Macpherson, Henry, B.A.....	1851 .....	Owen Sound.
Macpherson, James P., B.A., 1857 ;		
M.A.....	1865.....	Ottawa.
*Macrae, Donald, D.D.....	1881.....	St. John, N.B.
*McArthur, George, B.A.....	1881.....	Cardinal, O.
McArthur, John A., B.A.....	1880.....	Davenport, Wash. Ter.
*McAulay, Alexander, B.A.....	1883 .....	McLaren's Mills.
McBain, Alexander, B.A., 1860 ;		
M.A.....	1862.....	(Deceased.)
McBain, Alexander G., B.A.....	1865.....	Montreal.
McCallum, Archibald B., B.A, 1880 ;		
M.A.....	1881 .....	Listowel.
McCammon, C. G., M.D .....	1884 .....	Clifton Springs, N.Y.
McCammon, James, M.D. ....	1863 .....	(Deceased.)
McCammon, James A., M.D .....	1879 .....	Gananoque.
McCammon, Samuel H., M.D .....	1888 .....	Kansas City.
*McCannell, Donald, B.A.....	1878 .....	(Deceased.)
McCardel, Edward J., M.D. ....	1886 .....	
*McCaul, James, B.A .....	1859.....	Glasgow, Scotland.
McClement, William T., B.A.....	1888 .....	Kingston.
McColl, Allan E., B.A... ..	1885 .....	Belleville.
*McColl, Evan C. W., B.A .....	1866 .....	Middleville.
McConnell, Benjamin J., M.D .....	1881 .....	Nelson, Man.
McCormack, Joseph, B.A.....	1879.....	Lansdowne.
McCracken, John I., B.A.....	1874.....	Ottawa.
McCuaig, Herbert M., B.A.....	1884.....	Picton.
McCulloch, Andrew, B.A., 1871 ;		
M.A.....	1874.....	Thorold.
McCullough, William P., M.D. ....	1888.....	Dundalk.

Name.	Date of Graduation.	Address.
McCullough, William S., M.D. . . . .	1879 . . . . .	(Deceased.)
McDonald, John A., B.A. . . . .	1888 . . . . .	Blakeney.
McDowell, Charles, B.A. . . . .	1877 . . . . .	Renfrew.
McDowell, James A., B.A. . . . .	1867 . . . . .	Sarnia.
*McEwen, Jas., B.A., 1852; M.A. . . . .	1854 . . . . .	Hamilton.
McEwen, Ewen, M.D. . . . .	1887 . . . . .	Franktown.
McEwen, John, B.A. . . . .	1887 . . . . .	Franktown.
McGhie, George S., M.D. . . . .	1883 . . . . .	Elgin.
*McGillivray, Alexander, D.D. . . . .	1858 . . . . .	(Deceased.)
McGillivray, Alice, M.D. . . . .	1884 . . . . .	Kingston.
<i>(Professor, Women's Medical College.)</i>		
*McGillivray, Daniel, B.A. . . . .	1864 . . . . .	London.
McGillivray, Farquahar, B.A. . . . .	1852 . . . . .	Ottawa.
*McGillivray, Malcolm, B.A., 1872 ; M.A. . . . .	1874 . . . . .	Kingston.
McGillivray, Neil J., B.A. . . . .	1848 . . . . .	(Deceased.)
McGillivray, T. Shannon, M.D. . . . .	1888 . . . . .	Kingston.
McGrath, Edward, M.D. . . . .	1888 . . . . .	Campbellford.
McGregor, Peter C., B.A. . . . .	1866 . . . . .	Almonte.
*McGregor, P. G., D.D. . . . .	1876 . . . . .	(Deceased.)
McGuire, Thomas H., B.A. . . . .	1870 . . . . .	Prince Albert, Sask.
McGuirl, Thomas H., B.A. . . . .	1886 . . . . .	Collingwood.
McGurn, Joseph S., M.D. . . . .	1881 . . . . .	(Deceased.)
McIntyre, Donald M., B.A. . . . .	1874 . . . . .	Kingston.
McIntyre, Duncan, M.D. . . . .	1864 . . . . .	Wardsville.
McIntyre, John, B.A. . . . .	1847 . . . . .	(Deceased.)
McIntyre, J., B.A., 1861 ; M.A. . . . .	1872 . . . . .	Kingston.
McKay, Donald G., B.A. . . . .	1865 . . . . .	(Deceased.)
*McKay, George L., D.D. . . . .	1880 . . . . .	Tamsui, Formosa.
McKay, John, B.A. . . . .	1888 . . . . .	St. Raphael's West.
McKay, Matthew W., B.A. . . . .	1879 . . . . .	Pembroke.
*McKay, Roderick, B.A., 1881; B.D. . . . .	1886 . . . . .	
*McKay, William E., B.A. . . . .	1856 . . . . .	(Deceased.)
*McKee, William, B.A. . . . .	1872 . . . . .	Alliston.
McKellar, Dugald, M.D. . . . .	1855 . . . . .	(Deceased.)
McKenzie, Andrew, M.D. . . . .	1862 . . . . .	(Deceased.)
McKenzie, Archibald, B.A. . . . .	1888 . . . . .	Tiverton.
McKenzie, Edward, M.D. . . . .	1860 . . . . .	Smith's Falls.
McKenzie, John M., B.A. . . . .	1856 . . . . .	Sarnia.
McKenzie, Malcolm, B.A. . . . .	1887 . . . . .	Tiverton.
McKinnon, Malcolm, B.A. . . . .	1885 . . . . .	
McKinnon, John, B.A. . . . .	1886 . . . . .	Revelstoke, B.C.
McKillop, Alexander, B.A. . . . .	1877 . . . . .	Montreal.
*McKillop, Charles, B.A. . . . .	1875 . . . . .	Lethbridge, Man.
McLachlan, Alexander, B.A. . . . .	1885 . . . . .	Tarsus, Turkey.



Name.	Date of Graduation	Address.
McLaughlin, Edward, M.D.	1886.....	Harrowsmith.
McLaren, Alexander, M.D.	1865.....	Shannonville.
*McLaren, Ebenezer D., B.A., 1870 ; M.A., 1873 ; B.D.....	1873.....	Brampton.
McLaren, James, B.A.....	1850 .. .	Nelson, O.
McLaren, John, B.A.....	1860 .. .	(Deceased.)
McLaren, John Brown, B.A.....	1876 .. .	Morden, Man.
McLaren, Peter, B.A.....	1854 .. .	(Deceased.)
McLaren, Peter, LL.D....	1868.....	(Deceased.)
McLaren, Peter, B.A.....	1869 .. .	Orms town.
McLaren, William, D.D....	1883.....	Toronto.
<i>(Professor, Knox College.)</i>		
*McLean, Alexander, B.A....	1878.....	(Deceased.)
McLean, Caird R., M.D.....	1859.....	Meaford.
*McLean, Donald J., B.A.....	1855.....	Arnprior.
McLean, James M., B.A....	1887.....	Strathlorne.
McLean, Solomon C., M.D....	1874.....	Spencerville.
McLean, Thomas F., M.D....	1863.....	Goderich.
McLennan, Alexander S., M.D. .	1873.. .	Chicago.
McLeod, Alexander, B.A.....	1883.....	Mentona, Man.
McLeod, James A. F., B.A.....	1854. ....	N. W. Territory.
*McLeod, John, B.A. . . . .	1883.....	Richmond, Que.
McLeod, Peter A., B.A.....	1887.....	Baddeck, C.B.
McMahon, James, M.D . . . .	1878.....	Texarkana, Texas.
McMillan, Hugh H., B.A.....	1880.....	Dakota.
*McMillan, J., B.A., 1862 ; B.D....	1865 .. .	Halifax.
*McMoline, John, D.D.....	1865. . .	(Deceased.)
*McMoline, John K., B.A., 1859 ; M.A.....	1863 .. .	Kingston.
*McMoline, Samuel, B.A., 1865 ; M.A.....	1872.....	Portage La Prairie.
McMurchy, Archibald, M.D.....	1883... .	Chapleau, Algoma.
McMurchy, Archibald, B.A.....	1875. . .	Nipissing.
McNichol, Eugene C., M.D.....	1877.....	Cobourg.
*McPhaden, Hugh, B.A....	1881.....	Manilla.
McPhadden, Murdoch, M.D . . . .	1880.....	Belwood.
McRae, Thomas W. R., B.A.....	1886.....	Belleville.
*McTavish, Alexander, B.A.....	1882 . . .	Chater, Man.
*McTavish, Daniel, B.A., 1881 ; M.A., 1882 ; D.Sc.....	1885.....	Lindsay.
McTavish, Duncan B., B.A., 1870 ; M.A.....	1873 .. .	Ottawa.
*McQuarrie, Alex. R., B.A.....	1862.....	Burlington, Vt.
McVety, Albert F., M.D.....	1886.....	Kingston.
*Nairn, Robert B.A.....	1879 .. .	Rat Portage.



Name.	Date of Graduation.	Address
*Neill, Robert, D.D. . . . .	1872 . . . .	Burnbrae.
*Nelles, Samuel S., D.D. . . . .	1861 . . . .	(Deceased.)
Neish, James, M.D. . . . .	1865 . . . .	Kingston, Jamaica.
Neish, William D., M.D. . . . .	1887 . . . .	Kingston, Jamaica.
Nesbitt, Edward, M.D. . . . .	1868 . . . .	(Deceased.)
Newlands, George, M.D. . . . .	1879 . . . .	Litchfield.
Newlands, Isaac, B.A. . . . .	1884 . . . .	Kingston.
Newton, John, M.D. . . . .	1866 . . . .	Deseronto.
Nichol, James, M.D. . . . .	1863 . . . .	(Deceased.)
*Nicholson, Alex. B., B.A. . . . .	1867 . . . .	Kingston.
<i>(Assistant Professor and Lecturer, Queen's College.)</i>		
Nicol, William, B.A. . . . .	1883 . . . .	Guelph.
*Nimmo, John H., B.A., 1867; M.D. 1886 . . . .		Birmingham, O.
*Nish, James, D.D. . . . .	1881 . . . .	Sandhurst, Victoria.
*Niven, David P., B.A. . . . .	1867 . . . .	Dromore.
Noel, John V., B.A. . . . .	1863 . . . .	(Deceased.)
Nugent, Andrew, B.A. . . . .	1876 . . . .	Ottawa.
Odium, John, M.D. . . . .	1880 . . . .	Sparta.
Ogilvie, Nettie, M.D. . . . .	1888 . . . .	Kingston, Jamaica.
Oldham, Edmund, M.D. . . . .	1881 . . . .	Chatsworth.
Oliver, Alfred S., M.D. . . . .	1863 . . . .	Kingston.
<i>(Professor, Royal College and Women's Med. College.)</i>		
Oliver, John K., M.D. . . . .	1868 . . . .	(Deceased.)
Oliver, Marion, M.D. . . . .	1886 . . . .	Indore, India.
<i>(Medical Missionary.)</i>		
O'Loughlin, Robert S., B.A., 1865;		
M.A. . . . .	1873 . . . .	New York.
O'Neil, Thomas, M.D. . . . .	1888 . . . .	Belleville.
O'Reilly, Anthony M.D. . . . .	1861 . . . .	(Deceased.)
O'Reilly, James R., B.A. . . . .	1882 . . . .	Prescott.
O'Shea, James, M.D. . . . .	1881 . . . .	Campbellford.
O'Sullivan, John, M.D. . . . .	1868 . . . .	(Deceased.)
*Oxley, Malcolm S., B.A. . . . .	1878 . . . .	Montreal.
Page, Thomas A., M.D. . . . .	1883 . . . .	Brockville.
Parker, Frank R., B.A. . . . .	1887 . . . .	Kemptville.
Parker, Robert, M.D. . . . .	1861 . . . .	Stirling.
Patterson, Richard L., M.D. . . . .	1885 . . . .	Langford.
*Patterson, Andrew, B.A. . . . .	1884 . . . .	Eganville.
Patterson, James R., M.D. . . . .	1867 . . . .	Port Elgin.
*Patterson, Gilbert C., B.A., 1878;		
M.A. . . . .	1880 . . . .	Chiliwhack, B.C.
Patterson, William J., B.A. . . . .	1888 . . . .	Maxwell.
Perrault, Julien, M.D. . . . .	1857 . . . .	San Francisco, Cal.
*Perrin, Louis, B.A. . . . .	1884 . . . .	Kirkfield.

Name.	Date of Graduation.	Address.
Phelan, Daniel, M.D. ....	1877.....	Kingston. ( <i>Professor, Women's Medical College.</i> )
Pirie, Alexander F., M.D.....	1887.....	Cartago.
Pirie, Edwin, B.A....	1888 .. .	Dundas.
Pirie, Henry H., B.A.....	1887.....	Dundas.
Pitblado, Colin, M.D. ....	1886	
*Pollock, Peter M., B.A.....	1881 .. .	Scotland,
*Pollok, Allan, D.D.....	1877.....	Halifax. ( <i>Professor, Theological Hall.</i> )
Pope, Stephen D., B.A....	1861 .. .	Victoria, B.C.
Potter, Levi, M.D.....	1870 .. .	Enniskillen.
Potter, Samuel, M.D....	1875 .. .	Grove's Corners.
Potter, Thomas, M.D. ....	1876....	Ottawa.
Pratt, William F., M.D .....	1888 .....	Ottawa.
Pratt, Wilton, M.D....	1888.....	Toledo.
Preston, Richard, M.D .. .	1875... ..	Carleton Place.
Preston, Robert H., M.D .. .	1864 .....	Newboro'.
Price, Cornelius V., LL.B.....	1863.....	Kingston.
Price, Robinson B., M.D.....	1866 .....	Kingston.
*Pringle, John, B.A.....	1875 .....	Port Arthur.
Pringle, Robert H., B.A....	1882... ..	Brampton.
Purdy, Alvanly N., M.D. ....	1873 .....	Dunlop, Texas.
Purdy, Charles W., M.D .....	1869 .....	Chicago.
Ramsay, Robert, M.D. ....	1861 .. .	(Deceased.)
Ranstead, William, M.D....	1887.....	Ottawa.
Rathbun, Herbert B., B.A.....	1883.....	Deseronto.
Rattray, James, B.A. ....	1887 .....	Portsmouth.
Reeve, Richard A., M.D. ....	1865.....	Toronto.
Reeve, Henry H., M.D.....	1880.....	Almonte.
Reeve, John L, M.D.....	1882 .. .	Clinton.
*Reid, William, D.D.....	1876 .....	Toronto.
Reid, W. D., M.D. ....	1880.....	Montpelier, Vt.
Reily, Adrian, M.D....	1862 .....	Welland.
Renaud, Allan C., B.A....	1864 .....	Montreal.
Reynolds, Helen E., M.D.....	1885 .....	Toronto.
Ritchie, George, B.A., 1873 ; B.Sc.	1878.....	Toronto.
Robertson, Donald M., B.A .....	1886 .....	Toronto.
Robertson, John W., M.D.....	1888.....	Central Economy, N.S.
Robertson, Miles S., B.A. ....	1884 .....	Violet. ( <i>Tutor in German, Queen's College.</i> )
Robinson, Robert P., M.D. ....	1888.....	Carleton Place.
Roche, William P., M.D....	1860 .....	(Deceased.)
Rockwell, Albert, M.D....	1868 .....	Frankford.
Rockwell, Ashbel S., M.D.....	1872.....	Rochester, N.Y.

Name.	Date of Graduation.	Address.
Rogers, R. Vashon, B.A. ....	1861.....	Kingston.
Rogers, David H., M.D. ....	1881 .....	Lindsay.
Rollo, James, B.A. ....	1852.....	Toronto.
Rose, George S., B.A., 1852 ; M.D. ....	1860.....	(Deceased.)
*Ross, Donald, B.A., 1860 ; M.A., 1862 ; B.D. ....	.....1863.....	Kingston.
<i>(Professor, Queen's College.)</i>		
Ross, George S., B.A. ....	.....1856	
*Ross, James, D.D. ....	.....1864.....	(Deceased.)
*Ross, James, B.A., 1878 ; M.A., 1881 ; B.D. ....	.....1881.....	Perth.
Ross, John Reid, B.A. ....	.....1862	
Ross, Thomas K., M.D. ....	.....1863.....	Fredonia, N.Y.
*Ross, Walter, B.A., 1859 ; M.A. ....	.....1862.....	(Deceased.)
Ross, William A., B.A. ....	.....1855.....	Ottawa.
*Romanes, George, LL.D. ....	.....1866 .....	(Deceased.)
Rothwell, William, B.A. ....	.....1881 .....	Dutton
Rourke, Francis, M.D. ....	.....1872 .....	Dublin, Ont.
Rowse, Mark R., B.A. ....	.....1870 .....	Bath.
Roy, Henry, M.D. ....	.....1885 .....	Chisholm.
Russell, Donald B., M.D. ....	.....1885.....	Mankato, Minn.
Russell, Samuel, B.A. ....	.....1882.....	Deseronto.
Ruttan, Joseph B., M.D. ....	.....1863 .....	Wellington.
Rutherford, David B., M.D. ....	.....1882 .....	Morrisburg.
Rutherford, James, M.D. ....	.....1870 .....	Orono.
Saunders, Herbert J., M.D. ....	.....1869.....	Kingston.
<i>(Professor, Royal College and Women's Med. College.)</i>		
Saunders, Lawrence, M.D. ....	.....1868.....	(Deceased.)
Sayers, Alexander, M.D. ....	.....1870.....	Marion, N.Y.
Scales, Thomas, B.A., 1878 ; M.D. ....	.....1887.....	Kingston.
*Scott, Alexander H., B.A., 1875 ; M.A. ....	.....1878.....	Perth.
Scott, Colin A., B.A. ....	.....1885.....	Ottawa.
Scott, Patrick J., M.D. ....	.....1888.....	Southampton.
Scott, Thomas B., B.A. ....	.....1888 .....	Belleville.
Scott, Thomas R., B.A. ....	.....1888 .....	Aurora.
Scott, William S., M.D. ....	.....1855 .....	Southampton.
Scovill, Simmons, M.D. ....	.....1877.....	Rat Portage.
Searls, Abraham W., M.D. ....	.....1864.....	(Deceased.)
*Sedgwick, Robert, D.D. ....	.....1878.....	(Deceased.)
Shannon, John R., B.A. ....	.....1885.....	Kingston.
Shannon, Lewis W., B.A. ....	.....1877.....	Kingston.
Shannon, Robert W., B.A., 1875 ; M.A. ....	.....1879.....	Kingston.
Shaw, John M., B.A., 1883 ; M.D. ....	.....1886....	Mallorytown.

Name.	Date of Graduation	Address.
*Sheraton, James P., D.D. ....	1882	Toronto.
<i>(President, Wycliffe College.)</i>		
Shibley, Henry T., B.A. ....	1881	Kingston.
Shier, James, B.A. ....	1863	
Shirley, Joseph W., M.D. ....	1863	Watford.
Shortt, Adam, B.A., 1883 ; M.A. ....	1884	Kingston.
<i>(Tutor in Philosophy, Queen's College.)</i>		
Shorey, Edmund C., B.A., '86 ; M.A. ....	1867	Cataraqui.
*Sieveright, James, B.A. ....	1855	Huntsville.
Sieveright, James A., M.D. ....	1870	(Deceased.)
Simpson, James, B.A. ....	1864	
Sinclair, Robert C. H., B.A. ....	1888	Carleton Place.
Skinner, Henry, M.D. ....	1862	(Deceased.)
Skinner, John S., B.A. ....	1883	Toronto.
Smellie, Donald McK., M.D. ....	1888	Chesley.
*Smellie, George, D.D. ....	1885	Fergus.
Smith, Alexander L., B.A. ....	1883	Alexandria.
Smith-Short, Elizabeth, M.D. ....	1884	Kingston.
<i>(Professor, Women's Medical College.)</i>		
Smith, Frederick B., M.D. ....	1886	Watertown, N.Y.
Smith, George, M.D. ....	1858	(Deceased.)
Smith, Gordon J., B.A. ....	1886	Peterborough.
*Smith, James C., B.A., 1861 ; M.A. ....		
1863 ; B.D. ....	1880	Guelph.
*Smith, James F., M.D. ....	1888	Honan, China.
<i>(Medical Missionary.)</i>		
Smith, John R., M.D. ....	1863	(Deceased.)
Smith, Robert A., M.D. ....	1883	Manotick.
Smyth, William J., B.A. ....	1881	Montreal.
Snider, Samuel H., M.D. ....	1881	Carman, Man.
Snook, Marcus S., B.A. ....	1881	(Deceased.)
Snowdon, John M., B.A. ....	1885	Toronto.
Somerville, James A., B.A., 1858 ;		
M.D. ....	1866	
*Somerville, James H., B.A. ....	1881	Toronto.
Spankie, William, B.A., 1882 ; M.D. ....	1885	Wolfe Island.
Spafford, H. W., M.D. ....	1855	(Deceased.)
Sparham, George S., M.D. ....	1859	Kemptville.
Spear, Hugh, M.D. ....	1878	Toronto.
Spence, Alexander, D.D. ....	1864	(Deceased.)
Spencer, Henry, M.D. ....	1862	(Deceased.)
Spooner, George D., M.D. ....	1860	(Deceased.)
Spooner, Hiram S., M.D. ....	1869	Sutton.
Spooner, Margaret M., B.A. ....	1886	Riverside, Cal.

Name.	Date of Graduation.	Address.
Sproat, Alexander, B.A. ....	1853.....	Prince Albert, Sask.
Squire, William W., B.A., 1854 ; M.A.....	1864.....	(Deceased.)
Steele, Jacob, B.A. ....	1883....	Burnbrae.
Stevenson, Alex. J., B.A. ....	1882....	Minden.
*Stevenson, John F., D.D. ....	1880 ..	London, Eng.
Stewart, Alexander J., M.D. ....	1869.....	Angus.
Stewart, Daniel W., B.A. ....	1884....	Renfrew.
Stewart, John M., M.D. ....	1882....	Chesley.
Stewart, William, B.A. ....	1879.....	Lancaster.
Stirling, James A., M.D. ....	1885....	Picton.
Stirling, John E., M.D. ....	1884.....	
Storms, Douglas G., M.D. ....	1886 ....	Hamilton.
Stowell, Olmsby O., M.D. ....	1869.....	
Strange, John, B.A., 1877 ; LL.B. ....	1883.....	Kingston.
*Stuart, Jamas G., B.A. ....	1876.....	Balderson, O.
Stuart, Irwin, B.A. ....	1870 ....	(Deceased.)
Sturgeon, Robert J., B.A. ....	1887.....	Bradford.
Sullivan, Hon. Michael, M.D. ....	1858.....	Kingston.
<i>(Professor, Royal College and Women's Medical College.</i>		
Sullivan, Thomas, M.D. ....	1863 ....	(Deceased.)
Sullivan, William, B.A. ....	1862....	Kingston.
Sutherland, Robert, B.A. ....	1852....	(Deceased.)
Sweetland, John, M.D. ....	1858....	Ottawa.
Switzer, Wilson I., M.D. ....	1862.....	(Deceased.)
Symington, Thomas J., M.D. ....	1881....	Camlachie.
Tarbell, Horace S., B.A. ....	1862.....	
Tassie, William, LL.D. ....	1871.....	(Deceased.)
Taylor, James, M.D. ....	1864.....	Tara.
Taylor, William F., M.D. ....	1861 ....	Brisbane, Queensland
Thibodo, Augustus J., B.A. ....	1854....	Prescott, Arizona.
Thibodo, Oliver, M.D. ....	1857.....	Phoenix, Arizona.
Thibodo, Robert, B.A., 1862 ; M.D. ....	1862 ....	Winnipeg.
Thibodo, William B., B.A., 1862 ; M.A.....	1865.....	Winnipeg.
Thirkell, William G., M.D. ....	1861.....	Sodus, N.Y.
Thomson, Hiram B., M.D. ....	1888 ....	Barrie.
*Thompson, George, B.A. ....	1863.....	Scotland.
Thompson, George M., B.A. ....	1878.....	Glasgow, Scotland.
Thompson, John, B.A. ....	1855.....	(Deceased.)
*Thompson, John R., B.A. ....	1865.....	Vancouver, Wash. T.
Thompson, William McC., B.A. ....	1888.....	Dunbar, N.S.
Thorburn, John, LL.D. ....	1880.....	Ottawa.
Thorne, Stephen H., M.D. ....	1887.....	Brighton.
Thornton, Thomas H., M.D. ....	1870 ....	Consecon.

Name.	Date of Graduation.	Address
Thornton, William M., M.D. ....	1864	(Deceased.)
Todd, Alpheus (C M.G.), LL.D. ....	1883	(Deceased.)
Townsend, Harland W., B.A. ....	1887	Magog.
Tracey, Robert, M.D. ....	1862	Belleville.
Tracey, Thomas B., M.D. ....	1865	(Deceased.)
Trousdale, James D., M.D. ....	1860	(Deceased.)
Tuttle, Leslie, M.D. ....	1875	Tweed.
*Ure, Robert, D.D. ....	1876	Goderich.
Valleau, George Z., M.D. ....	1867	
Van Allan, John R., M.D. ....	1871	Kansas City.
Van Vlack, Gilbert, M.D. ....	1869	(Deceased.)
Waddell, W. H., M.D. ....	1880	
Wade, Robert J., M.D. ....	1888	Trenton.
Wade, William R., M.D. ....	1888	Trenton.
Wafer, Francis M., M.D. ....	1867	(Deceased.)
Walkem, William W., M.D. ....	1873	Nanaimo, B.C.
Walker, Allan H., M.D. ....	1867	Hamilton.
Walker, Archibald D., M.D. ....	1888	Belleville.
*Wallace, Alexander, B.A. ....	1847	(Deceased.)
Wallace, David, M.D. ....	1881	Metcalfe, Ont.
Wallbridge, Asa F., B.A. ....	1854	Newcastle.
Ward, G. C. Tremaine, M.D. ....	1869	Napanee.
Wardlaw, James S., M.D. ....	1888	Galt.
*Wardrope, Thomas, D.D. ....	1878	Guelph.
Warner, Albert F., M.D. ....	1887	Wilton
Wartman, Philander C., M.D. ....	1864	(Deceased.)
Waters, John F., B.A. ....	1884	Ottawa
Watson, Andrew, B.A. ....	1861	Lucknow.
Watson, Charles V., M.D. ....	1863	Wellington.
*Watson, David, B.A., 1850; M.A., 1854; D.D. ....	1886	Beaverton.
Watson, Donald, B.A. ....	1851	(Deceased.)
*Watson, Peter, B.A. ....	1852	Williamstown.
Watts, Ezra J., M.D. ....	1866	Franktown.
Webster, James, B.A. ....	1857	(Deceased.)
Webster, George R., B.A. ....	1875	Brockville.
Webster, W. J., M.D. ....	1884	White Lake, Dak.
Weekes, W. J., M.D. ....	1865	Woodstock.
Weir, William, M.D. ....	1861	(Deceased.)
Westlake, Henry W., B.A. ....	1883	Exeter.
White, Albert N., M.D. ....	1886	Casnovia, N.Y.
*White, Joseph F., B.A. ....	1877	Shanty Bay, Ont.
Whitney, Arthur W., M.D. ....	1888	Iroquois.
Whiteman, Richard, B.A. ....	1886	Internat'l Bridge.
Williams, Herbert S., M.D. ....	1884	Mount Vernon, Dak.

Name.	Date of Graduation.	Address.
*Willis, Michael, LL D....	1861 ..	(Deceased.)
Wilson, Charles J. C., M.D .....	1869 .....	Montreal.
Wilson, Henry L., B.A., 1887 ; M.A.	1888 .....	Kingston.
Wilson, John A., M.D....	1863 .....	(Deceased.)
Wilson, Thos., B.A., 1877 ; M.D. ..	1880 ..	Tara.
Wood, Isaac, B.A. ....	1884 ..	Kingston.
Wright, Edward W., M.D.....	1886 .....	Cataraqui.
Wright, John J., B.A. ....	1885 .....	
Wright, Thomas A., M.D.....	1888 ..	Westmeath.
Wylie, James, B.A.....	1864 .....	(Deceased.)
Yates, Horatio, M.D... ..	1863 .....	(Deceased.)
Yates, Octavius, M.D. ....	1856 .....	(Deceased.)
*Yeomans, George A., B.A.....	1863 .....	Harrowsmith.
Yeomans, Horace P., B.A., 1860 ; M.D.....	1863 .....	Mount Forest.
Young, Daniel, M.D.....	1862 .....	Conway.
Young, David, M.D.....	1871 .....	Lower Fort Garry.
Young, Frederick M., B.A.....	1886 .....	Napanee.
*Young, George P., LL.D....	1882 ..	Toronto.
<i>(Professor, University College.)</i>		
Young, Henry P., B.A.....	1883 .....	Napanee.
*Young, John, B.A., 1882 ; M.A. ...	1884 .....	Niagara Falls, South.
Young, Sir William, LL.D.....	1881 .....	(Deceased.)
Young, William J., M.D.....	1883 .....	Wingham.
Yourex, John McGill, M.D .....	1876 .....	Warsaw.



# **FELLOWS OF ROYAL COLLEGE OF PHYSICIANS AND SURGEONS, KINGSTON.**

Name.	Present Address.	Year of Graduation.
Bethune, Alexander.....	Wingham .....	1874
Cluness, William R.....	Sacramento, Cal .....	1871
Dickson, John R. ....	(Deceased) .....	1866
Dupuis, Thomas R.....	Kingston .....	1871
Fenwick, Kenneth N.....	Kingston .....	1886
Fowler, Fife.....	Kingston .....	1866
Henderson, Donald ..	Winnipeg .....	1886
Horsey, E. H.....	Chicago .....	1886
Irwin, C. A. ....	Kingston .....	1886
Kennedy, Roderick.....	Bath .....	1866
Lavell, Michael.....	Kingston .....	1866
Maclean, Donald.....	Ann Arbor, Mich .....	1866
Matheson, M.....	Aramac.....	1886
Mark, Robert .....	Montreal .....	1873
Neish, James .....	Kingston, Jamaica .....	1871
Oliver, Alfred S.....	Kingston .....	1871
Purdy, C. W. ....	Chicago .....	1886
Reeve, Richard A. ....	Toronto.....	1866
Saunders, Herbert J.....	Kingston .....	1871
Sullivan, Michael.....	Kingston .....	1866
Yates, Horatius.....	(Deceased) .....	1871
Yates, Octavius.....	(Deceased) .....	1871

## **Licentiates of R.C.P.S., K.**

Abbott, Samuel.....	(Deceased) .....	1872
Alexander, James A.....	(Deceased) .....	1869
Alway, Enoch .....	Binbrook .....	1869
Bice, Mark .....	Hampton .....	1869
Bigham, Hugh.....	Fenelon Falls .....	1867
Bigham, James.....	Warsaw .....	1868
Booth, Donald B. ....	Odessa .....	1868
Bruce, Fred.....	Mount Morris, Mich. ....	1888
Burgar, C.....	Welland .....	1870
Campbell, Albert L. ....	Belleville.....	1888
Chaffey, Ellswood .....	Ontario, Cal .....	1870
Chamberlane, Theodore F.....	Morrisburg .....	1878
Clapham, Edward .....	.....	1861
Close, James.....	Ohio, U.S.....	1873
Coleman, William F.....	St. John, N.B .....	1871
Corbett, Henry T. ....	(Deceased) .....	1868
Cornell, Charles. ....	Farmersville .....	1872
Davidson, Myers.. ..	Florence .....	1871
Davis, L. T.....	Nanaimo.....	1883



Name.	Present Address.	Year of Graduation.
Day, Barnabus W.....	Council Grove, Kansas	1871
Day, Jonathan.....	Fullerton.....	1881
Dickson, John R. ....	(Deceased).....	1866
Dowsley, D. H. ....	Clinton.....	1875
Dugdale, John J.....	Montreal.....	1867
Dunlop, J. D.....	Alpena, Mich.....	1886
Erischen, Hugo.....	Detroit.....	1882
Erly, Francis W. J.....	(Deceased).....	1868
File, Albert J.....	Ameliasburg.....	1869
Fralick, W. G.....		1887
Fraser, Allan H.....	(Deceased).....	1867
Graham, William J.....	Bothwell..	1873
Gunsolus, Kenneth.....		1874
Hall, John D....	(Deceased).....	1878
Hall, William.....	Qu'Appelle.....	1883
Harvey, Leander.....	Watford.....	1867
Hay, William, B A....	St. Lawrence, N.Y.....	1887
Hendry, George.....	(Deceased).....	1869
Herriman, Weston Leroy.....	Lindsay.....	1869
Higinbotham, A.....	(Deceased).....	1868
Horsey, Edward H.....	Chicago.....	1871
Houston, William R.....	Chatham.....	1871
Hutchison, John.....	Meaford.....	1869
Johnstone, David.....	Kincardine.....	1869
Keith, S.....	New Glasgow, N.S.....	1886
Kidd, Edward.....	Picton.....	1871
Knight, John H.....		1880
Lavell, Charles H.....	(Deceased).....	1873
Lavell, William A.....	Smith's Falls.....	1880
Maclean, Archibald.....	Ann Arbor, Mich.....	1880
Mark, Robert.....	Ottawa.....	1867
Meadows, R. W.....	H. M. Service..	1866
Meagher, Augustus.....	(Deceased).....	1869
Munro, David.....	Perth.....	1867
Murphy, H. J.....	Chatham.....	1867
Maclean, Donald.....	Ann Arbor, Mich.....	1868
McDowell, John.....	(Deceased).....	1880
McLennan, Alexander S.....	Chicago.....	1873
McPhee, J. H.....	Pembroke.....	1886
Nesbitt, Edward.....	(Deceased).....	1868
Newell, James.....	Wyoming.....	1869
Nimmo, John H.....	Birmingham.....	1886
Noel, J. V.....	(Deceased).....	1867
Oliver, J. K.....	(Deceased).....	1868
O'Sullivan, John.....	(Deceased).....	1868
Patteson, Richard.....	Langford.....	1885

Name.	Present Address.	Year of Graduation.
Patterson, James R. ....	Port Elgin. ....	1869
Price, Robinson B. ....	Bath. ....	1871
Purdy, Charles W. ....	Chicago. ....	1869
Rourke, Francis. ....	Dublin, Ont. ....	1867
Spear, Hugh. ....	Toronto. ....	1868
Stark, Alexander. ....	Berwick. ....	1880
Stewart, Alexander J. ....	Angus. ....	1869
Symington, T. ....	Camlachie. ....	1881
Thibodo, Robert. ....	Winnipeg. ....	1868
Van Allen, J. R. ....	Kansas City. ....	1870
Vanvlack, Gilbert. ....	(Deceased). ....	1870
Wafer, Francis W. ....	(Deceased). ....	1861
Wilson, Charles J. C. ....	Montreal. ....	1869
Young, David. ....	Lower Fort Garry, Man. ....	1877

## § ALUMNI

OF NOT LESS THAN TWO YEARS STANDING.

Names marked with an asterisk are names of clergymen.

Name.	Date of First Registration.	Address.
Allan, Andrew.....	1844.....	Balderson's Corners.
*Andrew, Joseph ..	1879.....	Middleville.
Bain, William R. ....	1858 ..	Montreal.
*Ball, William S.....	1842.....	Vanneck.
*Barr, John.....	1857.....	(Deceased.)
Bamford, Frederick J.....	1876.....	Winnipeg.
Bawden, J. R.....	1855.....	Kingston.
*Bennett, James, B.A.....	1881.....	Cote des Nieges.
Bethune, James, Q. C.....	1856.....	(Deceased.)
Rethune, Wm. S.....	1879.....	Wingham.
Booth, Jackson C.....	1882.....	
*Borthwick, H. J.....	1855.....	Morden, Man.
Brownell, James E.....	1877.....	Avonmore.
*Byers, Henry.....	1848.....	Kingston.
Calvin, H. A.....	1868.....	Garden Island.
Camelon, David.....	1853.....	Maple.
*Cameron, Hugh.....	1856.....	Watford.
*Cameron, J. J., M.A.....	1871.....	Pickering.
Campbell, John R.....	1879.....	Wingham.
Cargill, Henry.....	1856.....	(Deceased.)
*Carmichael, James, B.A.....	1858.....	Norwood.
*Carmichael, James.....	1854.....	Strange.
Cameron, A. H., B.A.....	1869.....	Nimitan, Man.
Chambers, John N.....	1875.....	Woodstock, O.
*Chambers, W. A.....	1871.....	Erzeroum, Turkey.
Clapp, David P.....	1873.....	Harriston, O.
Cook, William.....	1858.....	Quebec.
*Crawford, Angus.....	1869.....	
Dickson, Edwin H.....	1867.....	Fargo, Dakota.
*Doudiet, C. A.....	1866.....	Montreal.
Drummond, Robert J.....	1855.....	Perth.
Duff, John M.....	1872.....	Parkdale.
Duff, John.....	1850.....	Kingston.
Elmore, Minor M.....	1875 ..	(Deceased.)
Farnden, Hunter R.....	1842.....	
*Ferguson, John, B.A.....	1858.....	Maple Valley, Man.
Flanigan, John.....	1858.....	Chicago.

§The Registrar will be much obliged for notices of additions or corrections to this list.

Name.	Date of First Registration.	Address
Forrest, David.....	1879..	Bayfield.
Fraser, Nutting S .....	1881 .....	St. John's, Newfld
Galbraith, Malcolm C.....	1853.....	Bowmanville.
*Goodwill, John.....	1858.....	Orwell Head, P.E.I.
Gordon, Robert A .....	1882.....	
*Gray, James M.....	1861.....	Stirling.
Hamilton, Clark.....	1848.....	Kingston.
Hamilton, John.....	1844.....	Sault St Marie.
Hamilton, Wm.....	1858.....	
Hendry, Thomas.....	1868 .....	California.
Hobart, S. W.....	1879.....	Kingston.
Hooper, John G. ....	1879.....	Kingston.
Ireland, Alex. H. ....	1866 .....	Strathroy.
Ireland, James O. ....	1850 ..	Toronto.
Ireland, Wm. ....	1850.....	Chatham, O.
Irvine, Richard W .....	1878. ....	
Johnston, William.....	1878.....	
*Kellock, David .....	1878.....	Spencerville.
*Lamont, Hugh, D.D.....	1861.....	Hamden, Que.
Lane, Morgan.....	1863.....	Clayton, O.
*Legere, Prosper L.....	1856.....	(Deceased.)
Malloy, William.....	1865.....	
Mills, James McV.....	1884.....	Elsinore, Cal.
Moir, Robert.....	1878.....	
Motherwell, James W.....	1873.....	Perth.
*Muckleston, W. J.....	1864.....	Ottawa.
*Mullan, Elias. ....	1861.....	Kilsyth, Ont.
*Mullan, J. B.....	1856.....	Fergus.
*Mullan, J. S.....	1854.....	Nashwaak, N.B.
Mulock, William R.....	1865.....	Winnipeg.
Macalister, Lachlan, M.D.....	1861.....	Duntroon.
Macdonald, H. J.....	1865.....	Winnipeg.
McArthur, Charles.....	1879.....	
McArthur, John M.....	1878.....	Chicago.
*McColl, Angus.....	1842.....	Chatham, O.
McDonald, William.....		(Deceased.)
*McEachern, Charles.....	1873.....	Inverness, Scotland.
*McEachern, Duncan. . .	1869.....	Dundee Centre, Q.
McGeachy, Wm., M.D.....	1861.....	Fingal, O.
*McGillivray, Alexander.....	1871.....	Brockville.
McGregor, Alexander.....	1862.....	Williamstown.
McIntosh, Hugh.....	1876.....	
*McIntyre, C. E.....	1863.....	Oshawa.
McKenzie, John J.....		
*McKinnon, John.....	1842.....	(Deceased.)

Name.	Date of First Registration.	Address
*McLaren, Archibald .....	1878.....	Springfield, Man.
McLean, Archibald B.....	1865.....	Smith's Falls.
McLean, Donald, M.D .....	1855.....	Ann Arbor, Mich.
McLean, Donald A.....	1877.....	
McLean, John.....	1874.....	(Deceased.)
*McLeod, Alex. K.....		Brighton
*McMillan, George, B.A. ....	1875.....	Princetown, P.E.I.
McNutt, George A.....	1878 .....	
*McPherson, Lachlan.....	1872.....	(Deceased.)
Ovens, Rufus K.. .....	1879.....	Wilton.
*Paul, James T.....	1842 .....	(Deceased.)
Pollock, John R.....	1877.....	(Deceased.)
*Porteous, George.....	1854.....	Alice.
Pratt, Abraham A.....	1879.....	
Renton, Thomas T.....	1879.....	Kingston.
Riddell, Alex. F.....	1867.....	Montreal.
*Robertson, John.....	1884.....	Bath.
Ross, Irvine.....	1866 .....	(Deceased.)
Ross, Archibald.....	1872 .....	
*Ross, Donald.....	1853.....	Portland, Oregon.
Ross, K. J. Livingstone.....	1879 .....	Portland, Oregon.
Roy, Henry.....	1880.....	Chisholm, P.E.I.
Smith, Frederick.....		(Deceased.)
Smith, James.....	1877.....	Toronto.
Smith, Robert L.....	1879 .....	Appleton.
*Smith, William.....	1877.....	Centreville.
*Smith, Thomas G., D.D.....	1847.....	Wansau, Wis.
*Snodgrass, John A.....	1868 .....	Nova Scotia.
*Strachan, Donald .....	1865.....	Rockwood.
Strange, O. S., M.D.....	1842.....	Kingston.
Stewart, Alexander S.....	1878.....	(Deceased.)
*Sym, F. Petry.....	1884.....	Wiaraton.
*Taft, J. N.....	1877.....	Haber, N.Y.
*Taylor, Hugh.....	1873.....	Pakenham.
*Thom, Leslie W.....	1877.....	Arthur, O.
Thomson, Andrew W.....	1879.....	Winnipeg.
Walkem, Hugh.....	1875.....	Spence's Bdg., B.C.
*Wallace, Robert.....	1842.....	Toronto.
Ward, David.....	1850 .....	Almonte.
Welch, Frederick.....	1867.....	Kingston.
*Wilkins, T. W., B.A.....	1863.....	Trenton.
Wright, Henry A.....	1879.....	Toronto.

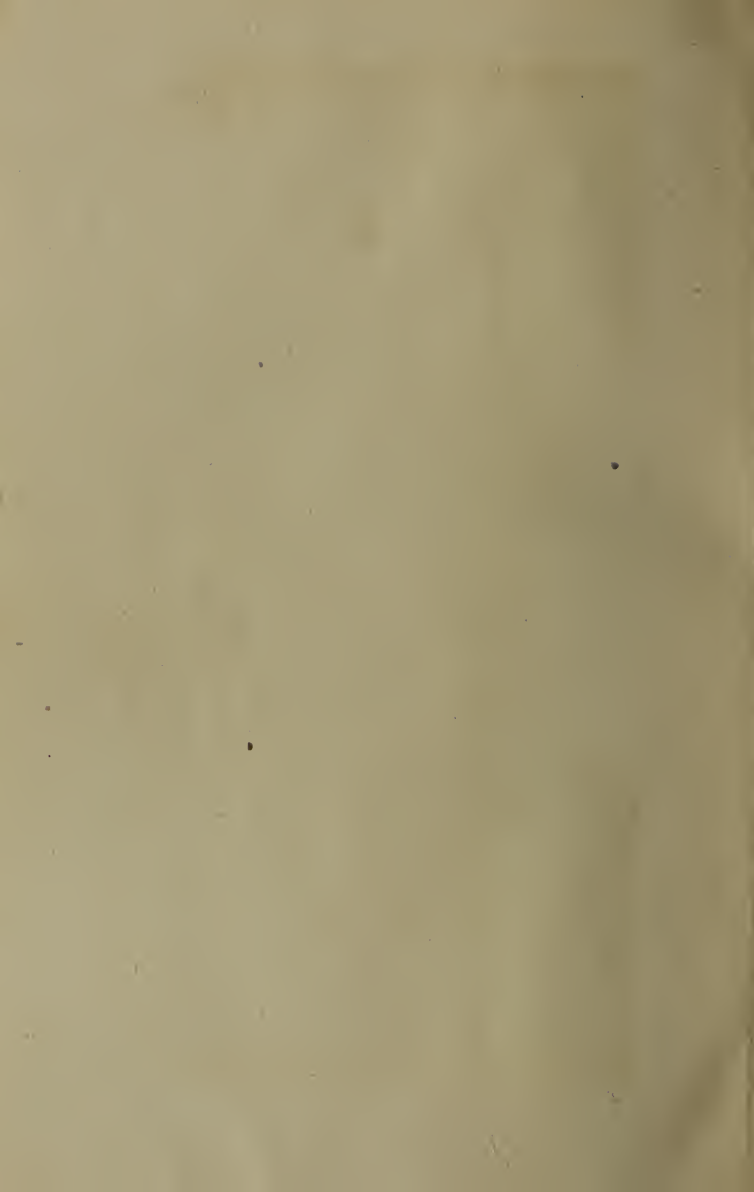












**SIGN BOOK CARD**

AND LEAVE AT  
CHARGING DESK

IF BOOK IS TO BE USED  
OUT OF THE  
LIBRARY BUILDING

E 3 Q3A1  
1888-9

99147

